



VEHICLE & HEAVY EQUIPMENT 2025 ELECTRONICS CATALOG



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ABOUT SEATRONX

Seatronx is a *ISO 9001:2015, AS9100D, AS9120B certified* U.S. manufacturer and distributor of rugged electronics catering to Military, Maritime, Ground mobile, Aviation and Extreme condition markets. Our focus is on superior rugged design with unprecedented quality and performance for the toughest environments using proven and tested technology. Services include manufacturing and distribution of commercial off the shelf and customized displays, panel pc's, computers, CCTV camera systems, data storage, video noise filtration, trackballs and keyboards. Our project specialty is modernizing legacy video and storage systems to current standards, saving our customers considerable time and money.

At Seatronx we make your ideas a reality and we are proud to have earned the reputation of consistently delivering unique electronic integration solutions that consistently meet or exceed industry standards in your required timeline.

OUR VISION IS YOUR VISION!

It is notably our people that truly make the difference. Our team is made up of dedicated industry professionals with decades of experience and successes that individually and collectively provide innovative solutions for all size contracts. This is what has defined us and has paved the path to our motto, Your Vision is Our Vision.

We indeed take great pride at forging long term relationships by understanding your specific needs and requirements from concept through completion. We enjoy the varied and customized applications we are presented with, and will work diligently to ensure that you receive a world class solution in the time frame required.

AVAILABLE COMPLIANCE CERTIFICATIONS

MIL-STD 810G, MIL-STD-810F, MIL-STD 461E/F (CE 101 / CE 102), (RE 101 / RE 102), IEC 60945, IP 54-69, NEMA 6, UL, ECDIS

SRT/PHT Series

Rugged Vehicle Monitors

Sunlight Readable Touchscreen (SRT) & Pilot House Touchscreen (PHT)
Displays Designed for the Industrial Vehicle Industries.



10" Display
SRT/PHT-10



12" Display
SRT/PHT-12



15" Display
SRT/PHT-15

SRT/PHT Series



Seatronx Part Numbers:	SRT-10 &PHT-10	SRT-12 & PHT-12	SRT-15 & PHT-15
FEATURES			
Diagonal (active area) Inch	10.4	12.1	15.0
Native Resolution (Pixels)	1024 x 768	1024x768	1024x 768
Colors	16.2M	16.2M	16.2M
Contrast Ratio	1200	700	700
Brightness Sunlight Readable (SRT)	1500	1500	1800
Brightness Pilot House (PHT)	500	700	700
Viewing Angle (left, right)	89, 89	80,80	80, 80
Viewing Angle (up, down)	89, 89	80,80	60, 80
Backlight Lifetime (Hrs)	50000	50000	50000
Backlight Dimming	0 - max	0 - max	0 - max
Input terminal x1 HDCP HDMI	HDMI,DVI,VGA, Comp	HDMI,DVI,VGA, Comp	HDMI,DVI,VGA, Comp
Power Source	9-34V + and -	9-34V + and -	9-34V + and -
Voltage Converter	9-34V (isolated)	9-34V (isolated)	9-34V (isolated)
Power Consumption (AMPS @ 24VDC)	SRT 2.5 / PHT 1.5	SRT 2.5 / PHT 1.5	SRT 2.8 / PHT 1.5
Inlet Plug DC Power	Screw Terminal	Screw Terminal	Screw Terminal
Dimensions Front (w x h x d mm)	262.6 x 227.6 x 58mm (10.34 x 8.960 x 2.28)	301.8 x 257.3 x 58mm (11.88 x 10.13 x2.28)	363.1 x 305.1 x 58mm (14.295 x 12.02 x 2.28)
Cutout Dimensions (w x h x d mm)	244.4 x 209.4 x 61mm (9.623 x 8.224 x 2.40)	283.6 x 239.1 x 61mm (11.16 x 9.43 x 2.40)	345.1 x 287.1 x 61mm (13.58 x 11.30 x 2.40)
Sealing Front	ip68 with potentiometer	ip68 with potentiometer	ip68 with potentiometer
Mounting	panel mount/Vesa	panel mount/Vesa	panel mount/Vesa
Operating Temperature (°C)	-30 to 70	-30 to 85	-30 to 85
Storage Temperature (°C)	-30 to 80	-30 to 80	-30 to 85
Parameter Adjustment	front knob and osd at backside	front knob and osd at backside	front knob and osd at backside
Power On/Off	front knob and osd at backside	front knob and osd at backside	front knob and osd at backside
Projected Capacitive Touch	YES	YES	YES
Optical Bonding	YES	YES	YES
Remote Control	Optional	Optional	Optional



CSRT

Wide Temp Monitors

Bezel-Free P-cap Monitor Compliance with Marine IEC60945 with Front Side IP65/66, VGA/DVI Panel Mounting Kits, and Wide Range Power Input DC 9~36V



10.1" Wide Display
CSRT-101W



12.1" Display
CSRT-12.1



15.6" Wide Display
CSRT-15.6W

CRST Series

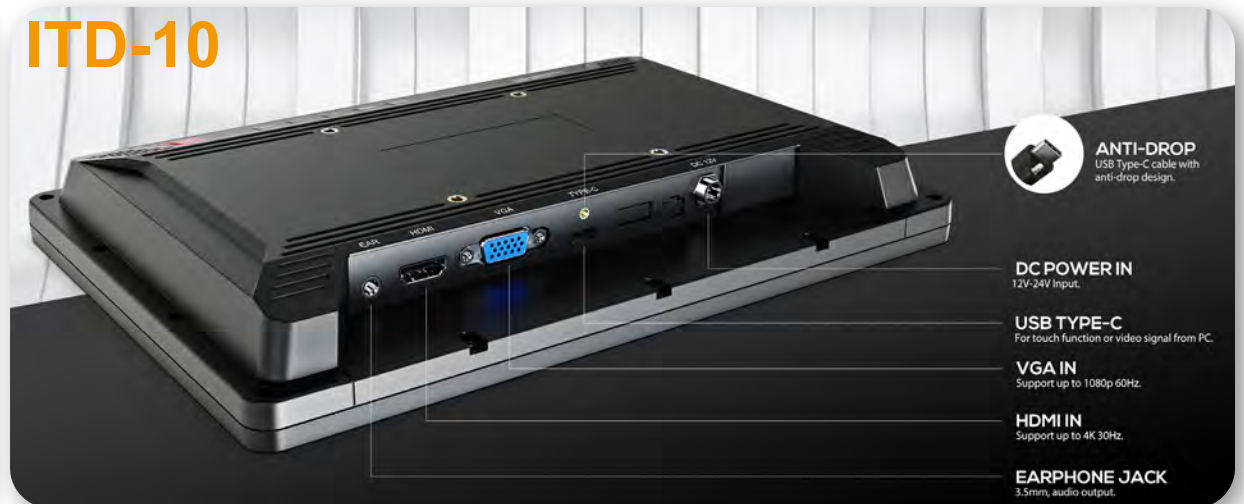


Seatronx Part Numbers:	CSRT-101W	CSRT-121	CSRT-156W
Max. Resolution	1280*800	1024*768	1920*1080
Contrast Ratio	800 : 1	700 : 1	800 : 1
Max. Color	16.7 M	16.2 M	16.2 M
Luminance (cd/m2)	400 nits Optional backlight 1000~1500 nits	500 nits Optional backlight 1000~1500 nits	450 nits Optional backlight 1000~1500 nits
View Angle	85/85/85/85	80/80/80/80	85/85/85/85
Touch Screen	10.1" P-cap USB interface	12" P-cap USB interface	15.6" P-cap USB interface
Power Input	DC 12V with DC 12V adapter by 3-Pin Terminal Block	DC 12V with DC 12V adapter by 3-Pin Terminal Block	DC 12V with DC 12V adapter by 3-Pin Terminal Block
Mounting	Panel Mount; VESA Mount 75x75/100x100	Panel Mount; VESA Mount 75x75/100x100	Panel Mount; VESA Mount 75x75/100x100
Operating Temp	-40 ~ 80 °C	-40 ~ 80 °C	-40 ~ 80 °C
Storage temp	-40 ~ 80 °C	-40 ~ 80 °C	-40 ~ 80 °C
OSD Function	1. Power 2. Backlight Up 3. Back light Down 4. Home 5. Status switch 6. LED for Day, Noon and Night status (Optional Only for ECDIS)	1. Power 2. Backlight Up 3. Back light Down 4. Home 5. Status switch 6. LED for Day, Noon and Night status (Optional Only for ECDIS)	1. Power 2. Backlight Up 3. Back light Down 4. Home 5. Status switch 6. LED for Day, Noon and Night status (Optional Only for ECDIS)

NOTE: 17", 19" and 24" options available. Consult factory for details

ITD Series

Industrial Touchscreen Displays





SPECIFICATIONS

Model Number	ITD-7	ITD-10
Touch Screen	10-point capacitive touch	Capacitive touch
Size	7" LCD	10.1" LCD
Resolution	800x480	1920x1200
Aspect Ratio	16:9	16:10
Brightness	1000 nits	1500 nits
Contrast	1000:1	1000:1
Viewing Angle	140° / 120° (H/V)	170° / 170° (H/V)
HDMI	1 x HDMI 1.4b	1
VGA	x1	1080p 24/
AV	x2	N/A
USB Type-C	N/A	x1
Audio Input	x1	N/A
Supported Formats	HDMI: 2160p 24/25/30, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60	HDMI: 2160p 24/25/30, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60 VGA: 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60 USB: 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60
Speaker	x1	x1
HDMI Audio	2ch	8ch 24-bit
Ear Jack	3.5mm - 2ch 48kHz 24-bit	3.5mm - 2ch 48kHz 24-bit
Input Voltage	12-24 VDC	12-24 VDC
Power Consumption	≤ 5.5W (12V)	≤ 19W (12V)
Operating Temp.	-4°F~140°F (-20°C~60°C)	-4°F~140°F (-20°C~60°C)
Storage Temp.	-22°F~158°F (-30°C~70°C)	-22°F~158°F (-30°C~80°C)
Water Proof	IPx4 front panel	IP65 front panel (only available with extension cable)
Dust Proof	IP6x front panel	IP6x front panel
Dimensions (LxWxD)	8.27" x 5.16" x 1.35" (210mm x 131mm x 34.2mm)	9.88" x 6.69" x 1.3" (251mm x 170mm x 33mm)
Weight	2.09 lb (950g)	1.81 lb (820g)
HDMI Extension Cable	N/A	HDMI, USB-A (for touch)
VGA Extension Cable	N/A	VGA, USB-A (for touch)

EXTREAM SERIES

100% SEALED IP68 WATER-PROOF
SUNLIGHT READABLE DISPLAYS FOR EXTERIOR VIEWING



eXTreme (XT) Series

100% sealed IP68 water-proof sunlight readable displays

SPECIFICATIONS:

LCD Size (Model Number)	Resolution	cd/m2	View Angle	Contrast Ratio	Power Consumption
8.4”(XT-8)	SVGA (800×600)	1,000 cd/m2	160° (H) x 160° (V)	900:1	18 Watts
10.4”(XT-10)	XGA (1,024×768)	1,000 cd/m2	160° (H) x 130° (V)	700:1	20 Watts
12.1”(XT-12)	XGA (1,024×768)	1,000 cd/m2	160° (H) x 160° (V)	1,200:1	22 Watts
15.0”(XT-15)	XGA (1,024×768)	1,000 cd/m2	160° (H) x 160° (V)	800:1	26 Watts
17.0”(XT-17)	SXGA(1,280×1,024)	1,000 cd/m2	160° (H) x 160° (V)	1,000:1	30Watts
19.0”(XT-19)	SXGA(1,280×1,024)	1,000 cd/m2	170° (H) x 160° (V)	1,000:1	34Watts
Technical Specifications					
Display	8-bit, 16.7 Million colors				
Dimming Ratio	1,000:1				
Signal Input	RGB(HD15), DVI, HDMI (Optional: Display portx1)				
Power Input	DC10-38V(DC12V,24V,28V nominal usage)				
Housing	Machined Aluminum alloy, Black powder coated				
Mounting	VESA, Flush, Panel, U- Bracket mount(optional)				
DC Power Input	DC10-38V(DC12V,24V,28Vnominal usage) Harsh duty variable power supply				
Power Conditioning	Protected against Internal short circuit, load dump, over voltage, reverse polarity				
Environmental Specifications					
IP Rating	IP68 (NEMA 6 Submersible)				
Operating Temperature	-10°C to 60°C (-14°F to 140°F)				
Storage Temperature	-30°C to 80°C (-40°F to 176°F)				
Humidity	0-100%				
Shock	1.5G RMS				
Vibration	5G				
Altitude	10,000 ft.				
EMI/EMC	Meet to UL, FCC standard level(Not certificated)				
Electronics Circuit	RoHS Compliant				

ORDERING INFORMATION:

Industrial Displays	
Part Number:	Description :
XT-8	8.4" SVGA (800×600) Sunlight readable display
XT-10	10.4" XGA (1,024×768) Sunlight readable display
XT-12	12.1" XGA (1,024×768) Sunlight readable display
XT-15	15.0" XGA (1,024×768) Sunlight readable display
XT-17	17.0" SXGA(1,280×1,024) Sunlight readable display
XT-19	19.0" SXGA(1,280×1,024) Sunlight readable display

OPTIONS

-TUSB (8" to 12")	Add -TUSB to part number for USB Touchscreen
-TUSB (15" to 19")	
-T232 (8" to 12")	Add - T232 to part number for RS-232 Touchscreen
-T232 (15" to 19")	

EXAMPLE: XT-8-TUSB = 8.4" Sunlight readable display with USB Touchscreen

[VIEW DATASHEET](#) >

Sunlight Readable Rugged Tablet

RVT-7

Rugged Vehicle 7" Tablet



FEATURES

- 7" Sunlight Readable
- Dust Resistant
- Water Resistant
- Vehicle Mount Included
- Download All Your Favorite Android Apps, Maps & Software
- A Technicians Digital Multi-tool With SAEJ1939 and OBD-II Version
- Ideal For All Outdoor Applications Including, Ground Mobile

RVT-7 Specifications

Mobile Computing Platform	Qualcomm Quad-core processor, 1.1GHz
Operating System	Android 7.1.2
RAM	2 GB
Storage	16 GB eMMC (up to 64G TF card expansion)
LCD	7" HD (1280 x800), sunlight readable 800cd/m2
Touchscreen	10 point multi touch capacitive touchscreen
Camera	front:2 MP Rear: 8 MP rear camera with LED light
Bluetooth	BT4.2 LE
WLAN	IEEE 802.11a/b/g/n; 2.4GHz/5GHz
Mobile Broadband	LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)
GNSS	GPS/GLONASS
NFC	Read/Write Mode: ISO/IEC 14443 A&B up to 848 kbit/s, FeliCa at 212 & 424 kbit/s, MIFARE 1K, 4K NFC Forum type 1, 2, 3, 4, 5 tags, ISO/IEC 15693 All peer-to-peer modes Card Emulation Mode (from host): NFC Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s
Sound	Build-in speaker 2W x 1 85dB internal microphones x1
Interfaces	RS232 X2; GPIO Input x2; output x2; RS485 x 1 optional; RS422 x 1 optional; USB Type-A; ACC x 1; OBD II; RS232 X1; ACC x 1; J1939
Sensors	Acceleration sensors, ambient light sensor
Power	Battery: User replaceable Li-ion 5000 mAh Battery operating time: 5h(typical) DC 8-36V (ISO 7637-2 Compliant)
Buttons	Power on/off button: x1
Mounting	75mm vesa/ RAM
Dimensions	200W x 130H x 28.5D
Weight	785g
Datasheet	VIEW DATASHEET >

Rugged Vehicle Tablet

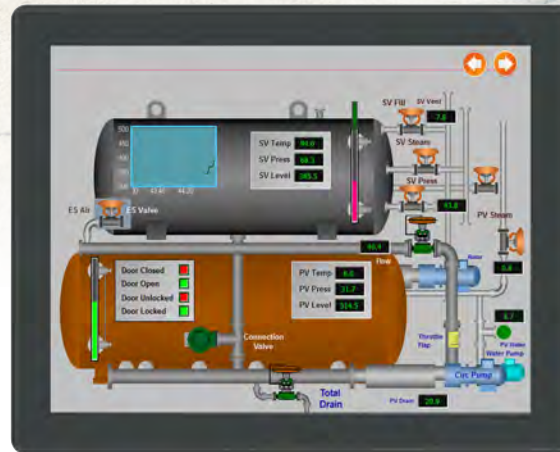
Part Number:	Description :
RVT-7	Rugged Vehicle 7" Tablet Other sizes available by request

PPC-Series

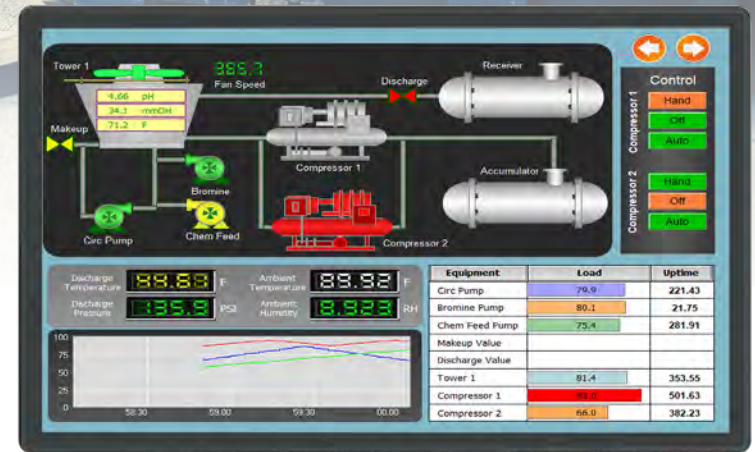
Rugged Panel PCs



7" Display
PPC-7T



15" Display
PPC-15T



15" Wide Display
PPC-15WT

SPECIFICATIONS

SYSTEM	CPU	Intel® J1900, 2.0GHz quad-core processor
	OS (Optional)	Windows 10 / Linux
	RAM + ROM	4GB (8GB is optional) + 120GB (support up to 1TB)
	GPU	Integrated Intel HD Graphics
DISPLAY	LCD	800×480, 1000 nits
	Touch Screen	Multi-point capacitive touch screen
INTERFACES	LAN	×2, 1000M
	HDMI Output	×1, support up to 1080P 60Hz
	VGA Output	×1, support up to 1080P 60Hz
	COM (DB-9)	COM1 supports RS232; COM2 supports RS232 / RS485
	USB	USB2.0 host×1, USB3.0 host×2
	Audio Output	Audio output×1, green port
	Bluetooth	2402MHz~2480MHz
	Wi-Fi	802.11a/b/g/n, 2.4GHZ
POWER	Power Supply	DC 12V
	Power Consumption	≤19W (≤2.5W when standby)
OTHERS	Dimension	210mm×131mm×48.2mm
	Weight	985g
	Environment	Front Panel Water-Proof: IPx5
		Front Panel Dust-Proof: IP6x
		Operating Temp: -10°C~60°C (14°F~140°F)
		Storage Temp: -20°C~60°C (-4°F~140°F)

ORDERING INFORMATION

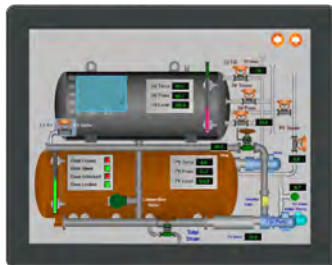
Part Number	Description
PPC-7T	7" Industrial Panel PC with Intel® J1900, 2.0GHz quad-core processor. Consult factory for OS, RAM & Storage options

FLEXIBLE I/O INTERFACES



1. DC Power Supply
2. HDMI 1.4 output interface. Supports up to 1080P 60Hz
3. VGA output interface. Supports up to 1080P 60Hz
4. USB 3.0 x 2, USB-A Type
5. RJ45 Port. LAN 1000Mx2
6. RJ45 Port. LAN 1000Mx2
7. USB 2.0 x 1, USB-A Type
8. Stereo Audio Output (3.5mm) x 1
9. COM 1, supports RS232
10. COM 2, Supports RS232 / RS485
11. WiFi / BlueTooth Antenna Slot x 1

PPC-15T & PPC-15WT



SPECIFICATIONS

Industrial Panel PC	PPC-15T	PPC-15WT
IP Rating	IP65	IP65
LCD Size	15" (4:3)	15.6" (16:9)
Max. Resolution	1024 x 768 (XGA)	1920 x 1080 (FHD)
Brightness (cd/m²)	350 / 1000 (optional)	400 / 1000 (optional)
Contrast Ratio	700:1	700:1
LCD Color	16.2M	16.7M
Pixel Pitch(mm)	0.297(H) x 0.297(V)	0.17925(H) x 0.17925(V)
Viewing Angle	170/160	160/140
Backlight MTBF	50000 hrs (LED Backlight)	50000 hrs (LED Backlight)
Touch Type	Resistive 5-Wire	Resistive 5-Wire
Processor	Intel® 7th Gen (Kaby Lake-U) Processor Core™ i5-7300U, Core™ i3-7100U	Intel® 7th Gen (Kaby Lake-U) Processor Core™ i5-7300U, Core™ i3-7100U
System Chipset	SoC Integrated	SoC Integrated
LAN Chipset	GbE1 & GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE)	GbE1 & GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE)
System Memory	1x 260-Pin DDR4 1866/2133MHz SODIMM. Max. up to 16GB	1x 260-Pin DDR4 1866/2133MHz SODIMM. Max. up to 16GB
BIOS	AMI 64Mbit SPI BIOS	64Mbit SPI BIOS
Watchdog	Software Programmable 1~255 sec. System Reset	Software Programmable 1~255 sec. System Reset
CFast	1x CFast	1x CFast
mSATA	1x mSATA	1x mSATA
SIM Socket	2x External SIM socket	2x External SIM socket
SSD/HDD	1 x Hotswap 2.5" SATA HDD Bay	1 x Hotswap 2.5" SATA HDD Bay
Mini PCIe	2x Full-size Mini PCIe	2x Full-size Mini PCIe
Audio	1x Mic-In, 1x line-out	1x Mic-In, 1x line-out
COM	4x RS-232/422/485, 2x RS-232/422/485 (internal), DIO 8 in / 8 out (Isolated)	4x RS-232/422/485, 2x RS-232/422/485 (internal), DIO 8 in / 8 out (Isolated)
LAN	2x RJ45	2x RJ45
Universal I/O Bracket	2x Universal I/O Bracket	2x Universal I/O Bracket
USB	4x USB 3.0	4x USB 3.0
DP	1x DP	1x DP
Others	3x Antenna, 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off	3x Antenna, 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off
VGA	1x VGA	1x VGA
Optical Bonding	Optional, contact us for more information	Optional, contact us for more information
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language	LCD On/Off, Auto, Menu, Up and Down Multi-language
Speaker	AMP 10W + 10W	AMP 10W + 10W
Power Adapter	Optional AC/DC 12V/5A, 60W	Optional AC/DC 12V/5A, 60W
Power Management	Power Ignition Management	Power Ignition Management
Power Mode	AT, ATX	AT, ATX
Power Supply Voltage	9~50 VDC	9~50 VDC
Power Connector	3-Pin Terminal Block	3-Pin Terminal Block
Power Protection	OVP (Over Voltage Protection), OCP (Over Current Protection), Reverse Protection	OVP (Over Voltage Protection), OCP (Over Current Protection), Reverse Protection
Operating Temperature	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)	-20 °C to 70 °C (-4 °F to 158 °F)
Relative Humidity	10% ~ 80% (non-condensing)	10% ~ 80% (non-condensing)
Certification	CE, FCC Class A	CE, FCC Class A
Dimensions	377 (W) x 301 (D) x 64.7 (H) mm	398 (W) x 247 (D) x 70.7 (H) mm
Mounting Options	VESA Mounting Holes 75 x 75mm, 100 x 100mm	VESA Mounting Holes 75 x 75mm, 100 x 100mm

SSPPC Series

Stainless Steel Panel PCs

SSPPC Series

P-CAP Touch, IP66 Sealed Panel PCs with 15", 17", 18.5", 19", 21" or 24" Display





Model	SSPPC-15T	SSPPC-17T	SSPPC-185T	SSPPC-19T	SSPPC-215T	SSPPC-24T
Active Area	15"	17"	18.5"	19"	21.5"	24"
Resolution	1024 x 768	1280 x 1024	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
Case Material	Stainless Steel					
Case Seal	IP66 6 Sides					
Connection Seal	M12 Plastic waterproof					
Connections	HDMI/LAN/USB/					
Power Input	DC 12~24V, Optional 9~36VDC					
CPU	Kabylake-U i5-7300U or Kabylake-U i7-7600U					
Brightness	300nits	350nits	350nits	250nits	250nits	250nits
Viewing Angle	88/88/88/88	80/80/60/80	89/89/89/89	85/85/80/80	89/89/89/89	89/89/89/89
Operating Temp.	-20~60°C					

SSPPC Series Stainless Steel Panel PCs

Part Number:	Description :
SSPPC-15T-i5	15" Stainless Steel P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-15T-i7	15" Stainless Steel P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-17T-i5	17" Stainless P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-17T-i7	17" Stainless P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-185T-i5	18.5" Stainless P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-185T-i7	18.5" Stainless P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-19T-i5	19" Stainless P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-19T-i7	19" Stainless P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-215T-i5	21.5" Stainless P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-215T-i7	21.5" Stainless P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-24T-i5	23.8" Stainless P-cap Touch Panel PC, Kabylake-U i5-7300U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
SSPPC-24T-i7	23.8" Stainless P-cap Touch Panel PC, Kabylake-U i7-7600U, with -20~60 degrees operating temp, 6 sides IP66, M12 plastic waterproof connectors of HDMI/LAN/USB/Power input, DC 12~24V, Optional 9~36VDC, with DC 12V adapter
Options/Accessories	
WVI-36	Wide Voltage Input 9~36VDC
VS-75x100	VESA Stand: 75 x 75 / 100 x 100 VESA Stand for 15kg (33.1lbs)

In-Vehicle Computers

Vehicle PCs & Camera/CCTV Computers



MPC-101



VPC-420



VPC-800



VPC-800-1



VPC-800-16X



VPC-800-16XM12



M900E



M900

In-Vehicle Computers

MPC-101



Features

- 9~48 VDC
- Intel Celeron J1900, Quad Core, 2MB Cache, 2.0 GHz
- 8GB DDR3 SODIMM
- 120GB 2.5" SATA SSD (internal) Storage
- 1 x DVI-I
- 1x USB 3.0, 3x USB 2.0
- 2x Full-size Mini PCIe
- 2x RS-232/422/485
- 2x GbE Ethernet
- I/O: 4x COM
- Remote Power Option
- Windows 7/10 OS
- Rugged Case Style

MPC-101

Intel Celeron J1900, Quad Core, 2MB Cache, 2.0 GHz

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VPC-420



Features

- 9~48 VDC input with ignition delay and battery voltage monitoring
- Intel Core™ i5-5350U, i3-5010U, or Celeron® 3765U
- 1x SO-DIMM socket, DDR3L-1066/1333, up to 8GB
- DVI-I and DP
- 4x COM, 2x USB 3.0, 2x USB 2.0, 2x GbE
- 2x mini-PCIe (2x mSATA auto-detect)
- 1x Universal I/O slot
- Optional 4x GbE in RJ-45 or M12 connectors, with 802.3at PoE option
- 2x external SIM slots
- -40 °C ~ 70 °C operating temperature
- 5 Grms vibration, 50G shock (with SSD)
- E-Mark and EN-50121-3-2 certified
- Over voltage/current, reverse polarity protection

VPC-420-3765U

In-Vehicle Computer with 5th Gen Intel® Celeron i3-3765U Processor

VPC-420-5010U

In-Vehicle Computer with 5th Gen Intel® Core™ i5-5010U Processor

VPC-420-5350U

In-Vehicle Computer with 5th Gen Intel® Core™ i5-5350U Processor

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VPC-800



Features

- LGA 1151 socket for 6th/7th Gen. Intel® Core™ i7/i5/i3, Pentium®, or Celeron® Desktop Processor
- Intel® Q170 Chipset
- 2x 260-pin DDR4 SO-DIMM, up to 32GB
- Triple independent display
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 4x COM, 6x USB 3.0, 2x GbE
- 2x mini-PCIe (2x mSATA auto-detect) with 2x front universal I/O slots
- 4x 2.5" SATA HDD bay and 2x mSATA supporting
- 4x Full-size mini PCIe
- 3x SIM socket
- 4x RS-232/422/485, 6x USB 3.0, 16-bit Isolated digital I/O
- 9 to 48 VDC wide range power input
- -25 °C to 70 °C extended operating temperature
- Power ignition management

VPC-800

In-Vehicle Computer with 7th Gen Intel® Core™ Processor, 1x PCIe x16 Expansion, 2x Universal-I/O

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VPC-800-1



Features

- LGA 1151 socket for 6th/7th Gen. Intel® Core™ i7/i5/i3, Pentium®, or Celeron® Desktop Processor
- Intel® Q170 Chipset
- 2x 260-pin DDR4 SO-DIMM, up to 32GB
- Triple independent display
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 4x 2.5" SATA HDD bay and 2x mSATA supporting
- 4x Full-size mini PCIe
- 3x SIM socket
- 1x PCIe x16 (ACO-6011E) or 1x PCI (ACO-6011P) expansion slot
- 4x RS-232/422/485, 6x USB 3.0, 16-bit Isolated digital I/O
- 9 to 48 VDC wide range power input
- -25 °C to 70 °C extended operating temperature
- Over voltage/current, reverse polarity protection
- E-Mark and EN-50121-3-2 certified

VPC-800-1E

In-Vehicle Computer with 7th Gen Intel® Core™ Processor, 1x PCIe x16 Expansion

VPC-800--1I

In-Vehicle Computer with 7th Gen Intel® Core™ Processor, 1x PCI Expansion

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In-Vehicle Mini-Computers



Part Number:	M900	M900E
Processor	Support Intel® EHL Processor (Up to 10W TDP), -Intel® Celeron® Processor J6413, Quad Core, 1.5 MB Cache, 1.8 GHz	Support Intel® EHL Processor (Up to 10W TDP), -Intel® Celeron® Processor J6413, Quad Core, 1.5 MB Cache, 1.8 GHz
System Chipset	SoC integrated	SoC integrated
LAN Chipset	1 GbE1: Intel I210 (Support Wake-on-LAN and PXE), 2.5 GbE2: Intel I225 (Support Wake-on-LAN and PXE)	1 GbE1: Intel I210 (Support Wake-on-LAN and PXE), 2.5 GbE2: Intel I225 (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S	Realtek ALC888S
System Memory	1x 260-Pin DDR4 2400/2667/3200MT/s SODIMM. Max. up to 32GB	1x 260-Pin DDR4 2400/2667/3200MT/s SODIMM. Max. up to 32GB
Graphics	Intel® UHD Graphics	Intel® UHD Graphics
BIOS	AMI 256Mbit SPI BIOS	AMI 256Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset	Software Programmable Supports 1~255 sec. System Reset
TPM	TPM 2.0	TPM 2.0
Display Port	3x DisplayPort 1.4, DP++ (4096 x 2160@60Hz)	3x DisplayPort 1.4, DP++ (4096 x 2160@60Hz)
Multiple Display	Triple Display	Triple Display
M.2	1x M.2 (B Key, 2242/3042/3052, PCIe 1 + USB 3.2 Gen2, Support 4G/5G Module)	1x M.2 (B Key, 2242/3042/3052, PCIe 1 + USB 3.2 Gen2, Support 4G or Module)
mSATA 1	x mSATA (shared by 1x Mini PCI Express)	1x mSATA (shared by 1x Mini PCI Express)
SIM Socket	2x External SIM socket	2x External SIM socket
SSD/HDD	1x Internal 2.5" SATA HDD Bay (support H=9.5 mm)	1x Internal 2.5" SATA HDD Bay (support H=9.5 mm)
Mini PCIe	1x Full-size Mini PCIe	1x Full-size Mini PCIe (Occupied by PoE Module)
Audio	1x Mic-in, 1x Line-out	1x Mic-in, 1x Line-out
CAN	2x CAN 2.0 A/B 2-pin Internal header	2x CAN 2.0 A/B 2-pin Internal header
COM	2x RS-232/422/485	2x RS-232/422/485
DIO	4 in / 4 out isolated	4 in / 4 out isolated
LAN	2x RJ45 (2.5 & 1 GbE)	2x RJ45 (2.5 & 1 GbE)
PoE	N/A	2x IEEE 802.3af (15.4W) GbE RJ45, Max up to 30w in total
USB	3x USB 3.2 Gen 2 (10 Gbps), 1x USB 2.0	3x USB 3.2 Gen 2 (10 Gbps), 1x USB 2.0
Others	5x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off 1x Internal CMOS Battery Cable 1x 4-PIN FAN Connector	5x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off 1x Internal CMOS Battery Cable 1x 4-PIN FAN Connector
Operating System	Windows 10 IoT Enterprise	Windows 10 IoT Enterprise
Power Adapter	Optional AC/DC 12V/5A, 60W	Optional AC/DC 24V 5A, 120W
Power Mode	AT, ATX	AT, ATX
Power Ignition Sensing	Adjustable power ignition management can be achieved through BIOS and optional daughter board.	Adjustable power ignition management can be achieved through BIOS and optional daughter board.
Power Supply Voltage	9~36VDC	9~36VDC
Power Connector	3-pin Terminal Block	3-pin Terminal Block
Power Protection	OVP (Over Voltage Protection), OCP (Over Current Protection), Reverse Protection	OVP (Over Voltage Protection); OCP (Over Current Protection), Reverse Protection
Operating Temp.	-40°C to 70°C	-40°C to 50°C
Storage Temp.	-40°C to 85°C	-40°C to 85°C
Relative Humidity	10% to 95% (non-condensing)	10% to 95% (non-condensing)
Certification	UL 62368 Ed. 3, CE, FCC Class A	CE, FCC Class A
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis, With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis, With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms	With SSD: 50G, half sine, 11ms
Dimensions	150 (W) x 105 (D) x 49 (H) mm	150 (W) x 105 (D) x 83 (H) mm
Weight	0.9 kg	1.2 kg
Construction	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Options	Wall Mounting SIDE / VESA / DIN-Rail Mounting (Optional)	Wall Mounting, SIDE / VESA / DIN-Rail Mounting (Optional)

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In-Vehicle Camera/CCTV Computers

VPC-800-16X



Features

- LGA 1151 socket for 6th /7th Gen. Intel® Core™ i7/i5/i3 or Pentium® / Celeron® Desktop Processor
- Intel® Q170 Chipset
- 2x 260-pin DDR4 SODIMM. Max up to 32GB
- Triple independent display supported by 1x DVI-I and 2x DisplayPort
- 18x Intel® GbE (w/ 2x supporting Wake-on-Lan and PXE)
- 4x 2.5" SATA HDD bay and 2x mSATA supporting RAID 0, 1, 5, 10
- 3x Full-size mini PCIe for communication or expansion modules, 3x SIM socket
- 5x RS-232/422/485 (w/ 3x internal), 6x USB 3.0, 2x USB 2.0 (internal)
- 8x DI + 8x DO with Isolation
- 2x Universal Bracket (For mini PCIe application)
- 9 to 48VDC wide range power input supporting AT/ATX mode
- -25°C to 70°C extended operating temperature
- Power ignition management

VPC-800-16L

In-Vehicle Computer with 7th Gen Intel® Core™ Processor and Q170 PCH, 18x LAN

VPC-800-16P

In-Vehicle Computer with 7th Gen Intel® Core™ Processor and Q170 PCH, 2x LAN, 16x PoE LAN

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VPC-800-16XM12



Features

- LGA 1151 socket for 6th /7th Gen. Intel® Core™ i7/i5/i3 or Pentium® / Celeron® Desktop Processor
- Intel® Q170 Chipset
- 2x 260-pin DDR4 SODIMM. Max up to 32GB
- Triple independent display supported by 1x DVI-I and 2x DisplayPort
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 16x Intel® GbE with M12 connector
- 4x 2.5" SATA HDD bay and 2x mSATA supporting RAID 0, 1, 5, 10
- 3x Full-size mini PCIe for communication or expansion modules, 3x SIM socket
- 5x RS-232/422/485 (w/ 3x internal), 6x USB 3.0, 2x USB 2.0 (internal)
- 8x DI + 8x DO with Isolation
- 2x Universal Bracket (For mini PCIe application)
- 9 to 48VDC wide range power input supporting AT/ATX mode
- -25°C to 70°C extended operating temperature
- Power ignition management

VPC-800-16L-M12

In-Vehicle Computer with 7th Gen Intel® Core™ Processor and Q170 PCH, 2x LAN, 16x M12 LAN

VPC-800-16P-M12

In-Vehicle Computer with 7th Gen Intel® Core™ Processor and Q170 PCH, 2x LAN, 16x M12 PoE LAN

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Trackballs & Keyboards












Type Approved and Non Type Approved



Seatronx is proud to be a distributor for NSI. NSI is the waterproof keyboard & waterproof trackball specialist delivering reliable solutions for demanding industrial, marine, medical, kiosk, food and military applications.








Main trackball features

- Most extended range of trackballs
- ECDIS trackballs
- IEC 60945 trackballs
- Unique IP68 trackball solutions
- Opto-mechanical trackballs, up to IP65 sealing
- Laser-optical trackballs, IP68 sealing
- Panel mount or enclosed standard versions
- Highly robust, vandal-proof and all metal construction
- Halo backlit trackball with PWM dimming & RGB control
- Trackballs with glass panel & touch keys
- Trackballs with scroll wheel to improved ease of use
- Military grade products
- Easy customization

	TYPENUMBER		FORMAT	SEALING
	<u>E38-76A31D-M017</u>	ergonomic trackball	desktop	IP68
	<u>E50-76A2AD-M004</u>	ergonomic trackball	panel mount	IP68
	<u>E50-76A31D-M000</u>		desktop	IP68
	<u>LTSX50F8-0001-MC3</u>		panel mount, studs	IP68
	<u>LTSX50F8-0BT1-MC3</u>	black carrier	panel mount, studs	IP68
	<u>LTSX50N8-0001-MC3</u>		panel mount, holes	IP68
	<u>LTSX50N8-0BT1-MC3</u>	black carrier	panel mount, holes	IP68
	<u>MTSX38F8-0001-MC3</u>		panel mount, studs	IP68
	<u>MTSX38F8-0BT1-MC3</u>	black carrier	panel mount, studs	IP68
	<u>MTSX38N8-0001-MC3</u>		panel mount, holes	IP68
	<u>MTSX38N8-0BT1-MC3</u>	black carrier	panel mount, holes	IP68
	<u>TBE38F0-0BT1-MC3</u>	ergonomic trackball	panel mount	IP68
	<u>TBE38N0-0BT1-MC3</u>	ergonomic trackball	panel mount	IP68
	<u>TSX50C1-0BT1-MC3</u>	black carrier and bezel	panel mount	IP67
	<u>TSX50F2-0001-MC3</u>	IP65 switches	panel mount, studs	IP65
	<u>TSX50F2-0BT1-MC3</u>	IP65 switches - black carrier	panel mount, studs	IP65
	<u>TSX50F8-0001-MC3</u>	IP68 switches	panel mount, studs	IP68
	<u>TSX50F8-0BT1-MC3</u>	IP68 switches - black carrier	panel mount, studs	IP68
	<u>TSX50N2-0001-MC3</u>	IP65 switches	panel mount, holes	IP65
	<u>TSX50N2-0BT1-MC3</u>	IP65 switches- black carrier	panel mount, holes	IP65
	<u>TSX50N8-0001-MC3</u>	IP68 switches	panel mount, holes	IP68
	<u>TSX50N8-0BT1-MC3</u>	IP68 switches - black carrier	panel mount, holes	IP68
	<u>TSX50S8-0001-MC3</u>		desktop	IP68

Full Selection available at www.seatronx.com.

Trackballs & Keyboards

KEYBOARDS					COUNTRY LAYOUTS (xx)															
	TYPENUMBER	FORMAT	BACKLIT	SEALING	NA	US	RU	BE	FR	ES	IT	UK	DK	S	NO	DE	KO	TR		
					xx=	1	7	32	33	34	39	44	45	46	47	49	82	90		
 no pointer	<u>KSM103B00xx-W-MC1</u>	panel mount / bezel	yes	IP67		US	RU		FR			UK	DK	S		DE	KO	TR		
 ergonomical trackball	<u>KSME103B00xx-W-MC1</u>	panel mount / bezel	yes	IP67		US	RU		FR			UK	DK	S		DE	KO	TR		
	<u>KSME103S00xx-W-MC1</u>	desktop	yes	IP67		US	RU		FR			UK	DK	S		DE	KO	TR		
 50 mm IP68 ball	<u>KSML92F00xx-W-MC1</u>	panel mount	yes	IP67		US	RU										DE			
	<u>KSML92S00xx-W-MC1</u>	desktop	yes	IP67		US	RU										DE			
 50 mm ball	<u>KSML106F00xx-W-MC1</u>	panel mount	yes	IP65		US			FR				DK				KO			
	<u>KSML106B00xx-W-MC1</u>	panel mount / bezel	yes	IP65		US			FR				DK				KO			
	<u>KSML106S00xx-W-MC1</u>	desktop	yes	IP65		US			FR				DK				KO			
 50 mm IP68 ball	<u>KSMX106F00xx-W-MC1</u>	panel mount	yes	IP67		US	RU					UK	DK	S		DE		TR		
	<u>KSMX106B00xx-W-MC1</u>	panel mount / bezel	yes	IP67		US	RU					UK	DK	S		DE		TR		
	<u>KSMX106S00xx-W-MC1</u>	panel mount / bezel	yes	IP67		US	RU					UK	DK	S		DE		TR		
 rubber, 25 mm ball	<u>RKCT92F00xx-W-MC1</u>	panel mount	yes	IP67		US	RU		FR		IT				NO	DE		TR		
	<u>RKCT92S00xx-W-MC1</u>	desktop	yes	IP67		US	RU		FR		IT				NO	DE		TR		
	<u>RKCT92F00xx-N-MC1</u>	panel mount	no	IP67		US	RU		FR		IT				NO	DE		TR		
	<u>RKCT92S00xx-N-MC1</u>	desktop	no	IP67		US	RU		FR		IT				NO	DE		TR		
 rubber, ergonomic ball	<u>RKTE85B00xx-W-MC1</u>	panel mount	yes	IP67		US			FR				DK			DE				
	<u>RKTE85S00xx-W-MC1</u>	desktop	yes	IP67		US			FR				DK			DE				
	<u>RKTE85B00xx-N-MC1</u>	panel mount	no	IP67		US			FR				DK			DE				
	<u>RKTE85S00xx-N-MC1</u>	desktop	no	IP67		US			FR				DK			DE				

Country layouts : US (US), Cyrillic Russian (RU), Belgian (BE), French (FR), Spanish (SP), Italian (IT), UK (UK), Danish (DK), Swedish (S), Norwegian (NO), German (DE), Korean (KO), Turkish (TR)

INDUSTRIAL TRACKBALLS




	TYPENUMBER	INFO	FORMAT	BALL	SEALING
	<u>E50-76A2AD</u>	laser ball, scroll wheel	panel mount	50	IP68
	<u>E50-76A31D</u>		desktop	50	IP68
	<u>LTSX50F8</u>	scroll wheel	panel mount, studs	50	IP68
	<u>LTSX50F8-BT1</u>	scroll wheel - black carrier	panel mount, studs	50	IP68
	<u>LTSX50N8</u>	scroll wheel	panel mount, holes	50	IP68
	<u>LTSX50N8-BT1</u>	scroll wheel - black carrier	panel mount, holes	50	IP68
	<u>TBS50F2</u>	black ball	panel mount	50	IP65
	<u>TBS50F2-BT1</u>	black ball - black carrier	panel mount	50	IP65
	<u>TCX50F8</u>	halo RGB backlit	panel mount	50	IP68
	<u>TCX50F8PWM</u>	halo RGB backlit, PWM	panel mount	50	IP68

INDUSTRIAL KEYBOARDS

		TYPENUMBER	FORMAT	BACKLIT	SEALING
	ergonomical trackball	<u>KSME103BxxUSB-WLED</u>	panel mount / bezel	yes	IP67
		<u>KSME103SxxUSB-WLED</u>	desktop	yes	IP67
	38mm ball	<u>KSML38F1yyy-WLED</u>	panel mount	yes	IP65
		<u>KSML38S1yyy-WLED</u>	desktop	yes	IP65
	50mm IP68 ball	<u>KSML92Fxxyyy-WLED</u>	panel mount	yes	IP67
		<u>KSML92Sxxyyy-WLED</u>	desktop	yes	IP67
	50mm ball	<u>KSML106Bxxyyy-WLED</u>	panel mount / bezel	yes	IP65
		<u>KSML106Fxxyyy-WLED</u>	panel mount	yes	IP65
		<u>KSML106Sxxyyy-WLED</u>	desktop	yes	IP65

Country layouts : US (US), Cyrillic Russian (RU), Belgian (BE), French (FR), Spanish (SP), Italian (IT), UK (UK), Danish (DK), Swedish (S) Korean (KO), Turkish (TR)

JOYSTICK & TOUCHPADS

	TYPENUMBER	INFO	FORMAT	SEALING
	<u>CST100F2</u>	dual function joystick	panel mount	IP55
	<u>CST100S2</u>	dual function joystick	desktop	IP55
	<u>SPS55F8</u>	stainl. steel touchpad unit	panel mount	IP68
	<u>TPD-55A326</u>	6 inch glass touchpad	desktop	IP65
	<u>TPP-55A1A6</u>	6 inch glass touchpad	panel mount	IP65
	<u>TPM-85A526</u>	6 inch glass touchpad	OEM	IP65

Wireless Camera Systems








WM7
1080P Magnetic Wireless Camera
and Monitor System



Wireless Forklift Camera System
Smart, Simple & Durable Wireless Forklift
Camera and Color Monitor

Wireless Forklift Camera System Options

<p>Fork View Camera</p> 	<p>This fork view camera is installed on the inside of the fork to ensure that the wireless forklift camera isn't damaged when being loaded or unloaded with goods. The rugged housing is built with stainless steel. With the 51° viewing angle, the driver sees the left and right-hand forks clearly on the monitor, which ensures the forks are properly placed in the pallet openings. An optional magnet mount is available the forks using strong industrial magnets. A Built-in battery is available as well (prevents damage to external battery pack due to improper placement).</p>
<p>Fork Carriage Mount Camera</p> 	<p>Simply places this forklift camera on or under the fork carriage. This setup allows driver to see the forks or other attachments clearly, allowing the forks to be positioned more efficiently. With this camera, goods can be picked up or put down on the first try. This wireless forklift camera is good for all models of high reach trucks, counterbalance trucks and side loaders.</p>
<p>7" AHD Monitor</p> 	<p>This 7" wireless AHD monitor is a high resolution monitor that is mounted on the frame of the forklift truck's cab. This monitor is suitable for all applications that demand clear images. This monitor has a built-in 2.4GHz digital wireless transmitter and also an optional DVR function. Storage is provided by a built-in TF card, supports 256GB max TF card.</p>
<p>7" AHD Monitor Waterproof IP68</p> 	<p>This 7" wireless AHD monitor is a high resolution heavy duty monitor, built for waterproof IP68 protection which can be mounted on the frame of the forklift truck's cab. It is suitable for any harsh working conditions. This monitor has a built-in 2.4GHz digital wireless transmitter.</p>
<p>Portable Battery Pack</p> 	<p>This optional battery pack contains a Panasonic 10000mA rechargeable battery and it's supported by a big magnet base to allow users to easily mount the box to anywhere they thought is convenient. The battery pack is rugged with 6G shockproof and waterproof IP66. Work about 13 hours without stop. Quick Charge 3.0 – Fast charging in just 3.5 hours!</p>

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WM7 Wireless Forklift/Vehicle Camera System Options



Wireless Camera Specification

Image Sensor	1/2.9 Color DSP
Wireless Module	Built-in 2.4G digital wireless transmitter
Transmit Power	18dBm
Resolution	1080P
Effective Pixels	1920(H) X 1080(V)
Infrared Distance	5M
Shell Material	Aluminum alloy
Waterproof Level	IP69K
Working Voltage	DC5V (Battery powered)
Cell Type	Lithium polymer battery
Battery Capacity	8000mAh/3.7v/29.6Wh
Interface Input	Type-C waterproof interface (with QC2.0 fast charge protocol) 12V/1.5A
Power Display	Fast charge indicator and 25%-50%-75%-100% battery indicator at camera front panel
Battery Switch	Touch switch
Installation	Mounting with built-in silicone-clad magnetic base
Seismic Rating	5G (According to standard of GB-T2423056-2006)
Dimensions	138(W) x 80(H) x 70(D) mm (without antenna)



Wireless Monitor Specification

Wireless Receiver	Built-in 2.4G wireless receiver
Picture Mode	1/2/3/4 screen mode
Working Frequency	2400-2483.5MHZ
Color LCD Display	7 inch IPS screen
Receiving Distance	200m
Automatic Frequency Hopping	80
Resolution	1024(H) X 600(V)dot
Color System	PAL/NTSC (AUTO)
Brightness (cd/m2)	600
Anti-vibration Grade	5G (GB-T2423056-2006 standard)
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°Cto +80°C
Load Dump	ISO16750-2 standard (24V system Us=174V, Ri= 4Ω, td=350ms)
Operating Voltage	DC8-32V
Dimensions	(L x W x T) (220 x 150 x 84mm)

Ordering Information

Part Number	Description
WM7-2CH-1	2 Channel -7" Display With 1 Wireless Camera
WM7-4CH-1	4 Channel -7" Display With 1 Wireless Camera
WMC-1	Additional Wireless Camera

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Advanced Forklift Wireless Camera System



System Overview

- Up to 5 camera system 360 view for reducing blind spots, Live video streaming
- Daily video footages stored locally in the MDVR, playback remotely over the 4G or warehouse wifi network, or retrieve, playback, export through dedicated local player
- Built-in g-sensor detecting harsh braking, impact, harsh acceleration events. Pre/post event video clips triggered and uploaded to on-premise server for backup and reviewing
- PC, Web based platform, mobile APP
- Vision aid operator monitor
- Dedicated mobile power pack for forklift
- Forkcam powered by dedicated mobile UPS pack, connected to MDVR through WIFI
- External g-sensor attached on the fork to detect unbalance when loaded with pallet, alert to trigger the siren light.
- Open API for integrating with third party platform

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Forklift Camera & Laser Guidance System



Innovative Wireless Camera & Red Laser Combination



- The camera/laser guide are designed for use on forklifts in rugged warehouse applications
- Stainless steel housing
- Wireless technology
- Bright red laser with high visibility in any environment



Specifications

Features

- Eliminates the need for wiring installation
- Vastly reduces installation time
- Re-pair facility allows for interchangeable trailers
- Support up to 2 wireless cameras in the system

Monitor

- 7" Digital TFT LCD monitor with Sun Visor
- Built in 2.4GHz Digital Wireless Receiver
- Contrast: 500:1
- OSD Menu
- Input power: DC8-32V
- PAL/NTSC(AUTO)
- Overlapping Hopping Channel: 80
- Multiple languages
- Resolution: 800RGB(H) X 480(V) dot
- Camera trigger priority
- Dimensions: (L x W x T) (199 x 128 x 28mm)

Camera

- 1/3" 600TVL Color SHARP CMOS
- Built in 2.4GHz Digital wireless transmitter
- Waterproof: IP69
- LEDs for excellent night vision
- Shockproof: 10G
- Viewing Angle: 85°
- Operating Voltage: DC12V
- 10G vibration resistant
- Usable Illumination: 0Lux
- Laser Wavelength: 650NM

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360° View Camera System



Seatronx 360 View

Vehicles have blind spots – it's true for all vehicles.

Blind spots can cause serious problems for pedestrian or something in the vehicle's way, making maneuvering hazardous to their passengers and the vehicle itself.

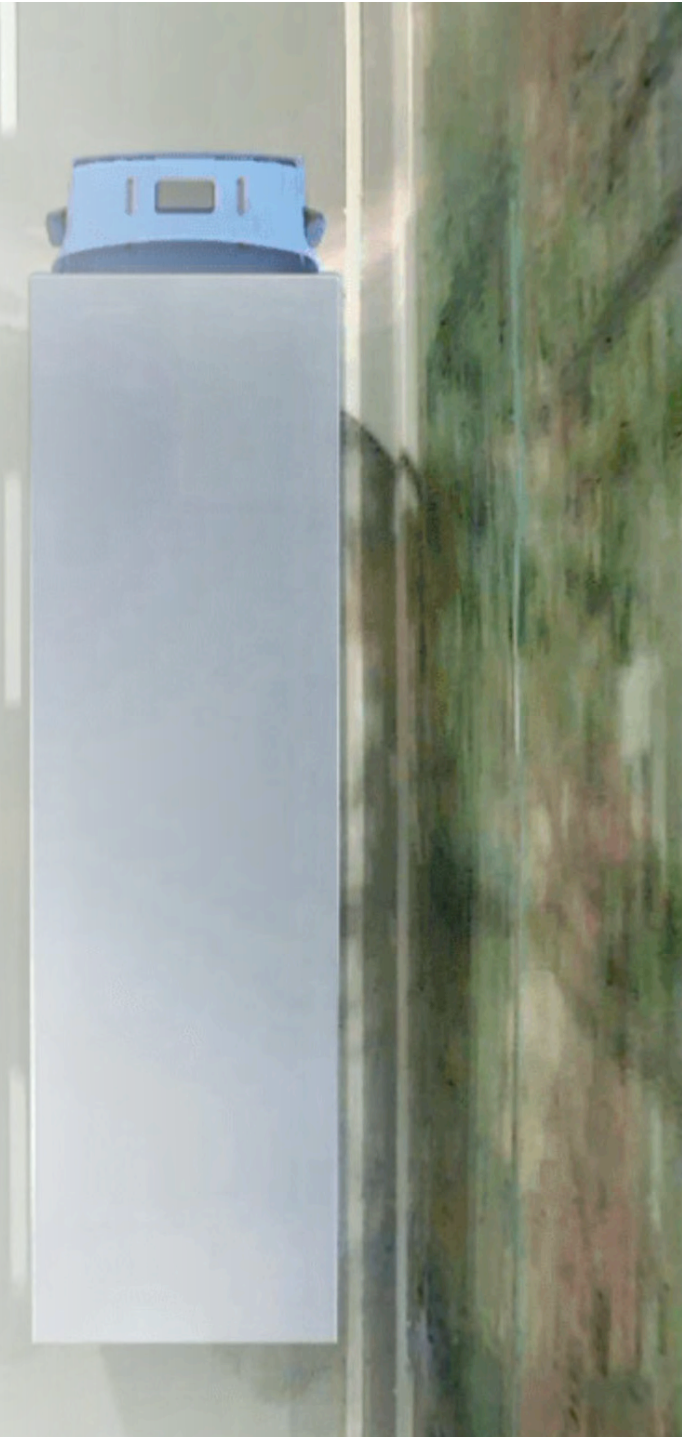
Mirrors and cameras aid with the ability to see where things are situated on the blind side of the car, but this is not enough to help the driver see anything that they have to navigate through.

The fact that they are required to watch only one monitor at a time and must look in only one monitor or mirror is a limitation on their ability. Research has shown that in the time it takes to scan the mirrors, assess, make an initial judgment about risks, and then react to those potential dangers, a vehicle moves up to 10m in the distance.







The 360 View system uses four high resolutions 180 viewing angle cameras which are in high-definition that adjusts the image brightness automatically.

These cameras send their video signals to an ECU unit, which creates a panoramic video, providing the driver with a real-time surround view of the vehicle in a single image.

The screen is split into two sections: one-third of the display is for the "Bird's Eye View" panoramic, while the rest of the two-thirds show a video feed from one of the four cameras according to the actual driving direction of the car or pure 3D panoramic.



360° View Camera System Options

Commercial Vehicle Camera 	Heavy Duty Vehicle Camera 	<p>The Seatronx 360 View vehicle cameras give drivers a clear and crisp image thanks to its new high definition specifications. Configuration is flexible, allowing the system to be working on virtually any rigid vehicle or machine, large or small. The flexibility of the 360 camera systems means there are solutions suitable for both on- and off-road applications.</p> <p>Standard surround view systems include: front and rear view cameras mountable in the original mounting seats inside the vehicle; side view cameras built into side mirrors.</p>
360 View System Host 	360 View System Host (rear) 	<p>Full metal housing and waterproof IP67 design, which delivers full digital capability that gives drivers even sharper and higher quality images in HD resolution.</p> <p>The electronic control unit merges the four camera images, which are automatically optimized for contrast and brightness.</p> <p>Switches between 2D and 3D representation at the push of a button.</p>
7" HD 1080P Monitor 	10" HD 1080P Touchscreen Monitor 	<p>Choose your HD monitors to work with the Seatronx 360 View Vehicle Camera System.</p> <p>Standard 7" HD 1080P monitor and the newest 10" HD 1080P monitor with touch screen feature to easily control and interact with your system!</p>

Ordering Information

Part Number	Description
360VIEW-COM-7	4 x Commercial Vehicle Cameras, 1 x 360View System Host, 7" HD 1080P Monitor
360VIEW-COM-10	4 x Commercial Vehicle Cameras, 1 x 360View System Host, 10" HD 1080P Touchscreen Monitor
360VIEW-HEAV-7	4 x Heavy Duty Vehicle Cameras, 1 x 360View System Host, 7" HD 1080P Monitor
360VIEW-HEAV-10	4 x Heavy Duty Vehicle Cameras, 1 x 360View System Host, 10" HD 1080P Touchscreen Monitor

24GHz Radar & Camera System



Video & Radar-based Vehicle Collision Avoidance Solution

Seatronx RADCAM is a combination of 24GHz Radar & Camera Detection System.

Drivers are given an active warning with this active detection system to make your trucks and mining machines even safer. It combines radar signals and camera images. In addition to the acoustic signals and camera pictures, the display has an overlay that keeps flashing quickly to warn the driver.

Combining the benefits of radar and camera in one device for mining applications, our radar camera system allows drivers to assess the situation at a glance using the monitor.

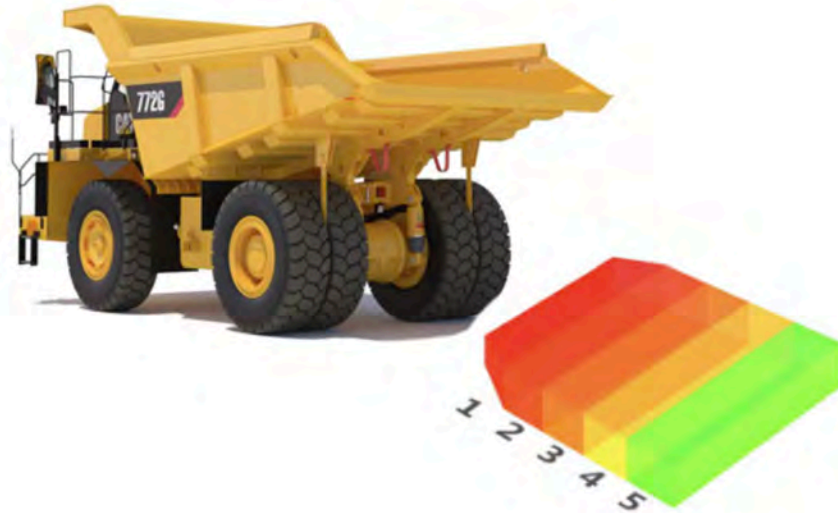


Why RadCam?

Today's commercial, construction and agricultural vehicles rely on radar systems to improve their safety. Whatever industry you work in you will be reliant on some type of vehicle, and daily operations and tasks can include a diverse range of environments and spaces.

Camera and monitor systems provide drivers with an invaluable visual aid to the surroundings of the vehicle. However, in difficult conditions, a range of complementary devices are vital to give visual and audible operator warnings.

Whilst radar sensors offer a form of detection, RadCam radar system has been designed to detect hazards within a vehicle's blind spot and combined with camera images, significantly reducing accidents by alerting the operator whose attention cannot be focused on all hazard areas.



Accurate Detection of People and Objects

The RadCam radar system uses millimeter wave technology to transmit millimeter waves and receive the reflected signal from the target. After calculation, the relative distance, speed, angle, and direction of movement between the car body and other objects can be quickly and accurately obtained.

Mud splash, rain, snow, unexpected temperature fluctuations, or falling leaves have no effect on the identification process, which means drivers can do their duties more quickly and effectively.



Gives Your Drivers an Active Warning

The Long-Range Detection (LRD) 24GHz Millimeter-Wave sensors identify objects and persons in the vehicle's close area, warning drivers with both visual and audio alerts. The alert sound and the graphic indications on the monitor would warn the driver.

- Integrates with camera and monitors to provide both visual and audible alerts
- This radar detection kit includes a 720P camera and a HD 7" monitor
- Customize your detection zone and range!
- Supports detection zone up to 30M
- Uses advanced 24GHz Microwave Radar
- Can be upgraded to 77GHz Microwave Radar
- Audible alert increases as an object gets closer, automatically going to solid and constant tone when an object is in the red zone
- Includes specialty brackets that allow more flexibility in mounting

Ordering Information

Part Number	Description
RADCAM	System includes: 1 x Millimeter Wave Radar, 1 x Radar System Host, 1 x 720P Camera, 1 x 7" HD Monitor, 1 x Buzzer and Wireless Remote Control

Pedestrian Detection System

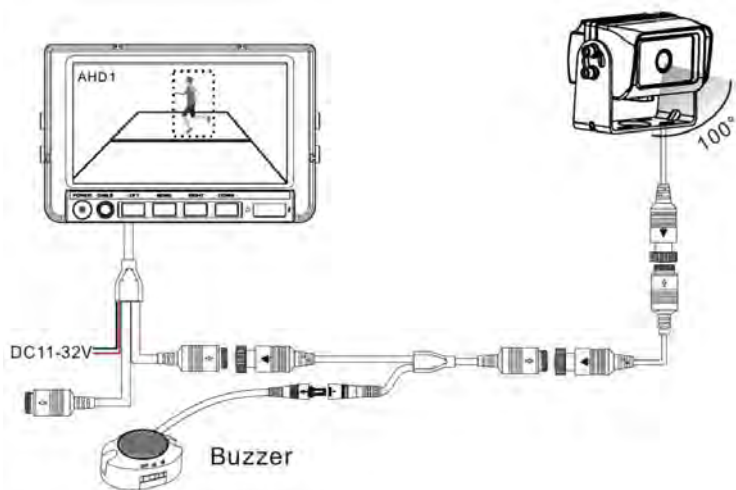


The Seatronx HD AI Pedestrian Detection Camera adopts deep learning technology to detect pedestrians in front of the vehicle, on the side, and behind the vehicle in real time, to warn drivers of potential risks of collision with pedestrians, and improve driving safety!

Smartly only recognize pedestrians and vehicles with minimal false triggers.



Pedestrian Detection System Specifications



7-inch IPS HD Monitor

Model	MHD-761
Resolution	1024(H) X 600(V)dot
Color LCD Screen	7 inch IPS screen
Video Input	Maximum support 4 channels CVBS / AHD720P /1080P video signal input2
Picture Mode	Single channel switching
Color System	PAL/NTSC (AUTO)
Brightness(cd/m2)	600
Load Dump	DC24+174V(Td350mS) 5pulses
Vibration Resistance	5G (conforms to GB-T2423056-2006 standard)
Working Temperature	-20° to +70°
Storage Temperature	-30° to +80°
Dimensions	(L x W x T) (218 x 149 x 82mm)
Working Voltage	DC11-32V

Ordering Information

Part Number	Description
PED-DET-SYS	System includes: 1 x 7" IPS HD Monitor, 1 x AI Pedestrian Detection Camera, 1 x Buzzer and Cables

Machinery Compatible with the HD AI Camera



The AI Pedestrians Detection Camera can be adapted to all brands and types of industrial and construction machinery: from forklifts to telescopic handlers, excavators and loaders. The first – in the direct vicinity of the vehicle – detects any type of obstacle, whether or not it is a pedestrian; and the second, reaching up to 5 meters away, alerts the driver only if a pedestrian is detected.



AI Pedestrian Detection Camera

Model	CHD-121MAI
Image Sensor	1/2.8 Color CMOS
Effective Pixels	1280(H) X 720(V)
Horizontal Resolution	720P
Viewing Angle	100 degree
Waterproof Rating	IP69K
Detection	Pedestrian/vehicle detection
Vibration Resistance	5G (conforms to GB-T2423056-2006 standard)
Alarm I/O	External buzzer (with switch volume adjustable)
Working Voltage	DC12-24V±10% (powered by the monitor)
Working Temperature	-20° to +60°
Storage Temperature	-30° to +70°
Dimensions	82(W)x73(H)x68(D) mm

AI BSD Detection Camera & Electronic Rear View Mirror System



MirrorView

The MirrorView system is a next-generation ADAS optical technology combining AI intelligent BSD (Blind Spot Detection) pedestrian detection & vision in a single 'Electronic Mirror Camera Package'.

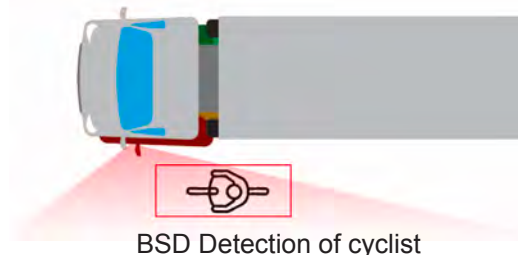
It is a 1080P driver vision camera system that replaces mirrors on trucks and buses with integrated, digital AHD cameras & mirror monitors.

What is AI BSD?

When a pedestrian or a cyclist is identified by the BSD camera in the vehicle's blind spot, Artificial Intelligence(AI) Blind Spot Detection (AI BSD) alerts the driver with audible alerts and visual warnings.

The system is a camera-based AI pedestrian detection system which uses computer vision technology to perform object detection and tracking.

The in cab rear view mirror monitor outlines the position of pedestrian from the vehicle thus giving the driver more confidence and helping to avoid collision.





What are the benefits?

MirrorView Camera system for mirror replacement

The intelligent system provides drivers with audible alerts and visual warnings via a electronic mirror monitor at a critical situation to avoid heavy accidents with cyclists and pedestrians.

- Enhances safety by providing a wider field of view than mirror classes II, IV, and V.
- Poor vision in bad weather with traditional mirrors? Rainproof film cameras automatically adapt to changing lighting conditions and also provide maximum visibility in harsh weather like rain, snow, fog, or in the dark.
- AI detection technology, which significantly reduces false alarms compared to traditional ultrasonic sensors systems.

Red Zone

Yellow Zone



How it works

AI software within the monitor's ECU identifies pedestrians, cyclists, and motorcyclists, taking the distance from the vehicle into account:

> In **Yellow Zone**, the system alerts the driver of a potential risk, showing an image on the screen with a yellow box around the pedestrian.

> In **Red Zone**, the system emits a "Beep" sound from the monitor, shows a visual alert marking the object on camera with a red box.

Why MirrorView?

Did you know that camera monitor systems are classified as a "passive safety technology"? Passive safety technology requires operator engagement to be successful.

Your monitor isn't going to alert you to a person or object in your path. You have to be viewing your monitor to see that person or object.

MirrorView is a smart active safety system, which utilizes AI deep learning technology to identify pedestrians, cyclists, and motorcyclists.

Ordering Information

Part Number	Description
MIRRORVIEW	The MirrorView System includes: 2 x AHD Cameras, 2 x Electronic Mirror Monitors, Cables and Mounting Hardware

Thermal Night Vision Cameras

NightRide SCOUT Series

High Resolution Thermal Cameras With 360° Remote Control Bring your situational awareness to the next level! See predators, farm animals, deer, people and objects on the road in darkness, rain, snow, fog, smoke.

384 - 13



384x288 – 13mm Lens

384 - 35



384x288 – 35mm Lens

640 - 19



640x512 – 19mm Lens

640 - 35



640x512 – 35mm Lens

NightRide RANGER

The NightRide Ranger is a small, lightweight infrared camera, using heat signatures to give you a view 1/4 miles down the road through dust, rain, snow, fog, smoke, and complete darkness. The perfect device for any commercial driver, daily driver or outdoorsman - the versatility and ease of use gives you thermal sight wherever you roam.



384x288 – 13mm Lens

NightRide PRO-SL

NightRide PRO-SL provides a distinct and discreet advantage – sensing heat signatures 1/4 mile down the road through dust, smoke, rain, snow or fog. Whether engaging in enforcement, search and rescue, firefighting or emergency management, NightRide PRO-SL provides critical seconds to prepare and react in any situation.



384x288 – 13mm Lens

Contact Seatronx for more details