


Mobile PTZ Camera

Series



**Compact diverse outdoor mobile
camera systems!**



Features

- ✦ **Multiple Camera options**
12+ models ranging from Thermal to Infrared illuminated or White light illumination to no illumination.
- ✦ **Multiple Mounting options**
Roof, Wall, pole inverted or upright.
- ✦ **Broad Power Input**
10.5VDC to 28VDC
- ✦ **Illumination**
Optional illumination in 850nm or 940nm or white light are available with illumination ranges out to 120 meters.
- ✦ **Thermal Optics**
Three models with thermal imaging. 19mm, 25mm or 40mm thermal lens coupled with a 28x Low light Sony zoom camera.
- ✦ **Marine Rated**
IP66 or IP67 depending on model.



Mobile PTZ Camera

Series...From Patronus Lab



Overview

Patronus Laboratories has created a series of rugged mobile PTZ cameras. Options include 28x Sony Low light zoom modules or 36x Sony zoom modules alone or paired with a variety of illumination options. Illumination options include 850nm, 940nm and white light models. Optional Thermal cameras with 19mm, 25mm or 40mm lenses provide the ultimate in detection under all lighting conditions.

All models are IP66 or higher and suitable for any outdoor environment including harsh marine installations. Most models are IP67 and operating in temperatures from -45C to +65C (See table below for more details and options).

PRODUCT LINE IDENTIFICATION CHART				
Division	>	Category	>	Sub-Category
Access		Access Control		Indoor
GPS		GPS		Outdoor
Power		Radar		Integrated
Solutions		Video		
Towers		Custom		
Video				
Wireless				



Camera Options

Model	Rugged Mobile PTZ Camera Series
VSCS0191	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, PAL
VSCS0192	Sony new E series FCB-EX1020(P) module , 36X, D/N, WDR, 0.01Lux, 550TVL, PAL
VSCS0193	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, white light 60m, PAL
VSCS0194	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, 940nm, 60m, PAL
VSCS0195	Sony new E series FCB-EX1020(P) module , 36X, D/N, WDR, 0.01Lux, 550TVL, 850nm, 60m, PAL
VSCS0196	Sony new E series FCB-EX985E(P) module, 28X, D/N, 0.0015Lux, 550TVL, fixed mounts, 850nm, 120m, PAL
VSCS0197	Sony new E series FCB-EX985E(P) module, 28X, D/N, 0.0015Lux, 550TVL, fixed mounts, white light, 120m, PAL
VSCS0198	Sony new E series FCB-EX1020(P) module, 36X, D/N, WDR, 0.01Lux, 550TVL, fixed mounts, 850nm, 120m, PAL
VSCS0199	Sony new E series FCB-EX1020(P) module, 36X, D/N, WDR, 0.01Lux, 550TVL, fixed mounts, white light, 120m, PAL
VSCS0200	Thermal focal: 19mm, fixed focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL, PAL
VSCS0201	Thermal focal: 25mm, electronic focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL, PAL
VSCS0202	Thermal focal: 40mm, electronic focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL, PAL
VSCS0203	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, NTSC
VSCS0204	Sony new E series FCB-EX1020(P) module , 36X, D/N, WDR, 0.01Lux, 550TVL, NTSC
VSCS0205	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, white light 60m, NTSC
VSCS0206	Sony new E series FCB-EX985E(P) module , 28X, D/N, 0.0015Lux, 550TVL, 940nm, 60m, NTSC
VSCS0207	Sony new E series FCB-EX1020(P) module , 36X, D/N, WDR, 0.01Lux, 550TVL, 850nm, 60m, NTSC
VSCS0208	Sony new E series FCB-EX985E(P) module, 28X, D/N, 0.0015Lux, 550TVL, fixed mounts, 850nm, 120m, NTSC
VSCS0209	Sony new E series FCB-EX985E(P) module, 28X, D/N, 0.0015Lux, 550TVL, fixed mounts, white light, 120m, NTSC
VSCS0210	Sony new E series FCB-EX1020(P) module, 36X, D/N, WDR, 0.01Lux, 550TVL, fixed mounts, 850nm, 120m, NTSC
VSCS0211	Sony new E series FCB-EX1020(P) module, 36X, D/N, WDR, 0.01Lux, 550TVL, fixed mounts, white light, 120m, NTSC
VSCS0212	Thermal focal: 19mm, fixed focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL; fixed mounts, NTSC
VSCS0213	Thermal focal: 25mm, electronic focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL; fixed mounts, NTSC
VSCS0214	Thermal focal: 40mm, electronic focus; Sony E series FCB-EX985E(P) module, 28X, 0.0015Lux, 550TVL; fixed mounts, NTSC

Mounting options

Roof shock mount,
Mounting bracket for wall, pole, inverted mounting
Pole mount
Corner mount

Specification

Model	VSCS019 1	VSCS019 2	VSCS019 3	VSCS019 4	VSCS019 5	VSCS0196	VSCS019 7	VSCS0198	VSCS019 9	VSCS0200	VSCS0201	VSCS0202	VSCS020 3	VSCS020 4	VSCS020 5	VSCS020 6	VSCS020 7	VSCS0208	VSCS020 9	VSCS0210	VSCS021 1	VSCS0212	VSCS0213	VSCS0214				
Image Sensor	1/4" SONY EXView HAD CCD																											
Effective Pixel PAL:	752(H)×582(V); NTSC:768(H)×494(V)																											
Resolution 550 TVL	550 TVL																											
White Balance	Auto / Manual / ATW / Indoor / Outdoor																											
Focus	Auto / Manual																											
Exposure	Auto / Manual / Iris Priority / Shutter Priority / Bright																											
S/N Ratio	Not less than 50DB																											
BLC	On / Off																											
Digital Image Stabilization(DIS)	On / Off																											
Digital Noise Reduction	1-5 Steps																											
Day/Night Yes	Yes																											
Zoom	28x	36x	28x	28x	36x	28x	28x	36x	36x	28x	28x	28x	28x	36x	28x	28x	36x	28x	28x	36x	36x	28x	28x	28x				
Lens	f=3.5mm -98mm	f=3.4mm - 122.4m m	f=3.5mm-98mm		f=3.4mm - 122.4m m	f=3.5mm-98mm		f=3.4mm-122.4mm		f=3.5mm-98mm				f=3.4mm - 122.4m m	f=3.5mm-98mm		f=3.4mm - 122.4m m	f=3.5mm-98mm		f=3.4mm-122.4mm		f=3.5mm-98mm						
Min Illumination IR Off	0.0015Lux	0.01Lux	0.0015Lux		0.01Lux	0.0015Lux		0.01Lux		0.0015Lux				0.01Lux	0.0015Lux		0.01Lux	0.0015Lux		0.01Lux		0.0015Lux						
Min Illumination IR On	0 Lux																											
F-stop	F1.35 to F3.7	F1.6 to F4.5	F1.35 to F3.7		F1.6 to F4.5	F1.35 to F3.7		F1.6 to F4.5		F1.35 to F3.7				F1.6 to F4.5	F1.35 to F3.7		F1.6 to F4.5	F1.35 to F3.7		F1.6 to F4.5		F1.35 to F3.7						
View Angle	55.8° (w) to 2.1° (t)	57.8° (w) to 1.7° (t)	55.8° (w) to 2.1° (t)		57.8° (w) to 1.7° (t)	55.8° (w) to 2.1° (t)		57.8° (w) to 1.7° (t)		55.8° (w) to 2.1° (t)				57.8° (w) to 1.7° (t)	55.8° (w) to 2.1° (t)		57.8° (w) to 1.7° (t)	55.8° (w) to 2.1° (t)		57.8° (w) to 1.7° (t)		55.8° (w) to 2.1° (t)						
WDR(150X)	No	Yes	No		Yes	No		Yes		No				Yes	No		Yes	No		Yes		No						
Thermal Camera FOV	NA								28.5°x21. 5°	21.7°x16. 4°	13.7°x10. 3°	NA								28.5°x21. 5°	21.7°x16. 4°	13.7°x10. 3°						
Thermal Detection Range	NA								1000m (Vehicle) 400m (Man)	1200m (Vehicle) 500m (Man)	2000m (Vehicle) 800m (Man)	NA								1000m (Vehicle) 400m (Man)	1200m (Vehicle) 500m (Man)	2000m (Vehicle) 800m (Man)						
Thermal Recognition Range	NA								400m (Vehicle) 200m (Man)	500m (Vehicle) 250m (Man)	800m (Vehicle) 400m (Man)	NA								400m (Vehicle) 200m (Man)	500m (Vehicle) 250m (Man)	800m (Vehicle) 400m (Man)						
Comm. Interface	RS-485																											
Protocol PELCO-P / PELCO-D	PELCO-P / PELCO-D																											
Voltage DC	12VDC		10.8-28V																		12VDC		10.8-28V					
Wattage IR Model	10W (Standby) 20W (defogger ON)		10W (Standby) 25W (Aux lights ON, defogger ON)		20W (Heater and IR Off);40W (Heater On and IR Off);70W (Heater and IR On);				35W/50W(Heater On)				10W (Standby) 20W (defogger ON)		10W (Standby) 25W (Aux lights ON, defogger ON)		20W (Heater and IR Off);40W (Heater On and IR Off);70W (Heater and IR On);				35W/50W(Heater On)							
Working Temp.	-35 ~ +65 °C °C								-45 ~ +65 °C °C								-35 ~ +65 °C °C								-45 ~ +65 °C °C			
IP Index	IP66, TVS, Anti-surge								IP66, TVS 3000V Anti-thunder, anti-surge								IP66, TVS, Anti-surge								IP67, TVS 3000V Anti-thunder, anti-surge			
Dimensions with vacuum pad	130(mm)×163(mm) w/o damper								190(mm)×300(mm)								130(mm)×163(mm) w/o damper								190(mm)×300(mm)			
Dimensions without vacuum pad	140(mm)×189(mm) with damper								190(mm)×275(mm)								140(mm)×189(mm) with damper								190(mm)×275(mm)			
Weight	2KG								6kg								2KG								6kg			
Pan Range	360 continuous																											
Pan Speed	0.05~220°/sec		0.05° -240°/s, adjustable				0.04° -120°/s, adjustable				0.04° -100°/s, adjustable				0.05~220°/sec		0.05° -240°/s, adjustable				0.04° -120°/s, adjustable				0.04° -100°/s, adjustable			
Tilt Range	0°~90°, auto flip		-15°~90° with image flip																									
Tilt Speed	0.03~140°/sec		0.03° ~160°/s, adjustable				0.3° ~90°/s adjustable				0.3° ~60°/s adjustable				0.03~140°/sec		0.03° ~160°/s, adjustable				0.3° ~90°/s adjustable				0.3° ~60°/s adjustable			
Preset Speed Pan/Tilt:	220°/s : 140°/s		120°/s : 90°/s				120°/s : 90°/s				100°/s : 60°/s				220°/s : 140°/s		120°/s : 90°/s				120°/s : 90°/s				100°/s : 60°/s			
Preset	100		256								100								256									
Preset Precision	±0.05°Priority/Bright																											
IR Wave Length	NA		940nm	840nm	840 nm	NA	840 nm	NA	NA								940nm	840nm	840 nm	NA	840 nm	NA	NA					

IR Lamp Power	NA	15W	15W	30W	NA	30W	NA	NA	15W	15W	30W	NA	30W	NA	NA
IR Light Power	NA	5W	5W	10W	NA	10W	NA	NA	5W	5W	10W	NA	10W	NA	NA
IR Range	NA	30M	60M	120M	NA	120M	NA	NA	30M	60M	120M	NA	120M	NA	NA
IR Switch	NA	Auto/Manual		Auto/Manual	NA	Auto/Manual	NA	NA	Auto/Manual		Auto/Manual	NA	Auto/Manual	NA	NA
White Light Color Temperature	NA	6500K	NA	NA	6500K	NA	6500K	NA	6500K	NA	NA	6500K	NA	6500K	NA
White Light Lamp Power including driver	NA	15W	NA	NA	30W	NA	30W	NA	15W	NA	30W	NA	30W	NA	NA
White Light Brightness	NA	1050LM	NA	NA	2100LM	NA	2100LM	NA	1050LM	NA	2100LM	NA	2100LM	NA	NA
White Light Range	NA	60M	NA	NA	120M	NA	120M	NA	60M	NA	120M	NA	120M	NA	NA
White Light Switch	NA	Manual	NA	NA	Manual	NA	Manual	NA	Manual	NA	Manual	NA	Manual	NA	NA

Model Images

*Not to Scale

VSCS0191 / VSCS192 / VSCS0203 / VSCS204	VSCS0193 / VSCS0194 / VSCS0195 / VSCS0205 / VSCS0206 / VSCS0207	VSCS0196 / VSCS0197 / VSCS0198 / VSCS0199 / VSCS0208 / VSCS0209 / VSCS0210 / VSCS0211	VSCS0200 / VSCS0201 / VSCS0202 / VSCS0212 / VSCS0213 / VSCS0214
			

DATA SHEET

Video Surveillance Division

MOBILE PTZ CAMERA

© 2014 Patronus Laboratories Corporation. As primarily a Research & Development company, Patronus Laboratories reserves the right to change product specifications without notice. For the latest product specifications, visit Patronus Laboratories online at www.PatronusLabs.com or contact your Patronus Labs sales representative.