

Features

- **Standardized Housing and Software**
The **PROFESSIONAL series** uses a common housing and software across four different models. All cameras share the same mounting options, connections and software with 4 different imager resolutions to ease installation and training.
- **IP MEGA-PIXEL Imagers**
Four (4) different MEGA-PIXEL imagers (2MP, 3MP, 4MP, 5MP) all with the same connection format and software configuration provide flexibility in resolution and pricing while maintaining consistency in installation and function.
- **Broad Temperature Range / IP Rating**
-40°C ~ +60°C and IP66 enables outdoor installation in virtually all environments around the world.
- **Analog Video Output**
Analog video output enables installation alignment and focusing with handheld test monitor.
- **Dual Voltage**
All cameras support either 12VDC and/or PoE for IP Cameras models making upgrading systems easy.
- **ONVIF**
All cameras are ONVIF 2.4 compliant for use with any ONVIF 2.4 compliant Network Video Recording Software Solution.
- **Internal Storage**
Micro SD Card slot for internal storage.
- **Alarm**
Built-in Alarm input and Relay output to trigger recording from external sensor and control external devices (lights, siren, etc.)
- **Audio**
Audio Input and Output enables two-way communications via IP Camera
- **Dual IR Cut Filter**
Dual IR Cut Filter for day and night operations with or without IR illuminators.

PROFESSIONAL Series

...From Patronus Labs



Overview

Patronus Labs offers an exclusive selection PoE and 12VDC powered **PROFESSIONAL** cameras with 4 resolutions and MJPEG, H.264 or industry leading **H.265 compression**. This diversity ensures a comprehensive ability to meet the functionality needs of virtually any customer required resolution, lighting/temperature environment and technology. The range in resolution provides a range of pricing and functionality for virtually any budget. Standardized mounting and connections mean reduced training costs, reduced installation time, and reduced inventory in addition to a uniform appearance throughout the facility, inside and out. **ONVIF 2.4 Profile S** compliance means our cameras are compatible with most modern VMS and PSIM solutions.

H.265 compression reduces bandwidth making these cameras the ideal choice for systems where longer retention times are required. A system needing 24 HDD for a given retention duration with H.264 compression would need only 12-16 HDD with H.265 compression, a significant area for savings.

Only by **PATRONUS LABORATORIES**.

PRODUCT IDENTIFICATION CHART		
Division	Category	
Access Control	Camera, Board	IR Illuminator
Computer Components	Camera Bullet	JoyStick
Fixed Platform	Camera, Dome	Lens, Board
Housings/Mnts/Enclosures	Camera, Mini	Lens, C/CS Mount
Mobile Platform	Cam, Professional	Recorder, Embedded
Power Gen/Storage	Cam, Specialty	Recorder, Mobile
Tools/Equipment	Cam, Speed dome	Recorder, Network
Video Surveillance	Decoder	Recorder, PC-Based
Wire/Cables/Connectors	Encoder	Software
Wireless Equipment	Encoder/Recorder	



Models

Models	Description
VSCP1246	Professional, 2MP WDR(120dB), 1/1.9" Sony CMOS, Color-:0.01Lux/F1.2, B/W-0.001/F1.2, 0Lux/IR, PoE, 12VDC, Audio in/out, Alarm in/out
VSCP1247	Professional, 3MP WDR(120dB), 1/3" CMOS, Color-0.3Lux/F1.2, B/W-0.05Lux/F1.2, 0Lux w/IR, PoE, 12VDC, Audio in/out, Alarm in/out
VSCP1248	Professional, 4MP WDR(100dB), 1/3" CMOS, Color-0.3Lux/F1.2, B/W-0.05Lux/F1.2, 0Lux w/IR, PoE, 12VDC, Audio in/out, Alarm in/out
VSCP1249	Professional, 5MP WDR(120dB), 1/1.8" Sony CMOS, Color-0.2Lux/F1.2, B/W-0.0035Lux/F1.2, 0Lux w/IR, PoE, 12VDC, Audio in/out, Alarm in/out

Enclosures/Mounts

HMHE0602	Outdoor / Indoor Housing Polycarbonate / Beige Heater, Blower Size 250(L) x 95(W) x 80(H)mm
HMBM0603	Cable Managed Bracket, Max Load 10kg , Aluminum 214(L) x 80(W) x 120(H)mm
HMBM0604	HOUSING MOUNTING BRACKET, ALUMINUM / BEIGE, 90° SWIVEL ANGLE (for HMBM0693)
HMHE0605	Indoor Ceiling Housing, Metal, Plastic / Beige, Size 285(L) x 82(W) x 140(H)
HMHE1052	Outdoor Housing, Aluminum, 8pcs High Power LED, 15°-120M, Input PoE 802.3at 30W, output DC12V/800mA to camera, Space for camera/lens: L280mm*W80mm*H103mm,
HMHE1053	Outdoor Housing, Aluminum, 8pcs High Power LED, 30°-80M, Input PoE 802.3at 30W, output DC12V/800mA to camera, Space for camera/lens: L280mm*W80mm*H103mm,
HMHE1054	Outdoor Housing, Aluminum, 8pcs High Power LED, 45°-60M, Input PoE 802.3at 30W, output DC12V/800mA to camera, Space for camera/lens: L280mm*W80mm*H103mm,
HMBM1055	Bracket for HMHE01052-1054, Max Load 10kg,

Outdoor



(HMHE0602)



(HMHE10 52-54)

Indoor



(HMHE0605)



(HMBM0603)



(HMBM1055)



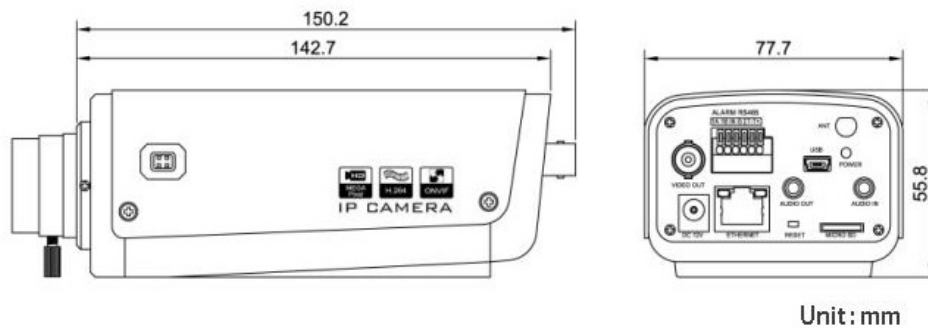
(HMBM0604)



Lenses

Lens Model	Lens Description / Camera Resolution	2MP	3MP	4MP	5MP
VSCL0796	2.4-6mm, 1/3", F1.6, Variable Zoom, DC Iris, IR Lens, 3MP Resolution	X	122.1°~50.7°	128.7°~52.8°	X
VSCL0797	3.3-12mm, 1/2.7", F1.6, Variable Zoom, DC Iris, IR Lens, 3MP Resolution	X	90.6°~29.2°	95.8°~30.4°	X
VSCL0798	2.8-12mm, 1/3", F1.4, Variable Zoom, DC Iris, IR Lens, 3MP Resolution	X	102.3°~26.9°	107.1°~28.1°	X
VSCL0799	5-50mm, 1/3", F1.6, Variable Zoom, DC Iris, IR Lens, 3MP Resolution	X	53.7°~6.5°	56.2°~6.8°	X
VSCL0800	3.4-10mm, 1/2.5", F1.6, Variable Zoom, DC Iris, IR Lens, 5MP Resolution	X	92.4°~31.6°	96.7°~32.9°	X
VSCL0801	4-12mm, 1/2", F1.6, Variable Zoom, DC Iris, IR Lens, 5MP Resolution	100.2°~39.8°	67.9°~28.2°	71.0°~29.4°	102.7°~40.6°
VSCL0802	12-40mm, 1/2", F1.6, Variable Zoom, DC Iris, IR Lens, 5MP Resolution	33.9°~11.5°	23.8°~8.2°	24.8°~8.5°	34.6°~11.7°

Dimensions



Specifications

Part Number	VSCP1246	VSCP1247	VSCP1248	VSCP1249
	General			
Main Processor	High-performance Hisilicon DSP			
Operating System	Embedded LINUX			
Resource	Simultaneous remote monitoring, local recording and remote control			
User Interface	WEB, CMS, NVR			
	Camera			
Image Sensor	1/1.9" Sony Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan Sony CMOS
Effective Pixels	1920(H)×1080(V)	2048(H)×1536(V)	2592(H)×1520(V)	2592 (H)×1944(V)
Electronic Shutter	1/5s to 1/50,000s	1/5s to 1/50,000s	1/5s to 1/50,000s	1/5s to 1/50,000s
Mini. Illumination	Color:0.01Lux; B/W:0.001Lux;0Lux(IR on)	Color:0.3Lux; B/W:0.05Lux;0Lux(IR on)	Color:0.3Lux; B/W:0.05Lux;0Lux(IR on)	Color:0.2Lux; B/W:0.003Lux;0Lux(IR on)
Signal Noise Ratio	>50dB			
Day/Night Mode	Auto, dual IR-Cut filter			
Gain Control	Auto/Manual			
White Balance	Auto/Manual			
WDR Dynamic Range	120dB	120dB	100dB	120dB
Lens	C/CS			
Iris	DC Auto Iris			
	Video			
Video Compression	H.265/H.264/MJPEG Optional			
Coding standard	H.265 Main Profile / H.264 Baseline/H.264 Main Profile/H.264 High Profile Optional			
Video Bit Rate Main	Main Stream: 200Kbps~12Mbps			
Video Bit Rate Sub	Sub Stream: 100Kbps~6Mbps			



Image Resolution	2.0MP 1080P(1920X1080)/ 720P(1280x720) / D1(704x576/704x480)	3.0MP(2048x1536)/1080 P(1920X1080)/ 720P(1280x720) / D1(704x576/704x480)	4.0MP(2592x1520) / 3.0MP(2048x1536)/1080 P(1920X1080)/ 720P(1280x720) / D1(704x576/704x480)	5.0Mp(2592x1944) / 3.0Mp(2048x536) / 1080P(1920x1020) / 720P(1280x720) / D1(704x576/704x480)
Frame Rate - Main Stream	1080P/720P/D1(1~25fps/ 30fps)	3.0MP/1080P/720P/D1 (1~25fps/30fps)	4.0MP/20 fps, 3.0MP/1080P/720P/D1 (1~25fps/30fps)	5.0MP/3.0MP/1080P/720 P/D1 (1~25fps/30fps)
Frame Rate - Sub-stream	1~25fps(640 × 480); 1~30fps (640 × 480)			
Video Format	PAL/NTSC			
Audio				
Audio Compression	G.711a/G.711u/RAW_PCM Optional			
Audio Bit Rate	G.711a(8kbps)/G.711u(8kbps)/RAW_PCM(16kbps)			
Audio Input	1-channel 3.5mm audio interface MIC IN/Line IN			
Audio Output	1-channel 3.5mm audio interface (line level,600Ω)			
Network				
Ethernet	RJ-45 (10/100Base-T)			
Network Protocol	IPv4/IPv6, RTSP/RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, FTP, DDNS, PPPoE, SMTP			
ONVIF	ONVIF Ver.2.4			
Max User Access	10 users			
Smart phone	IPhone , IPad ,Android			
Remote Operation	Monitor, Playback, System setting, File download, Log information, Maintenance & Upgrade			
Browser	IE(9, 10, 11),Chrome, Firefox, Safari			
Auxiliary Interface				
Reset Input	One Reset Button(Be effective after continues to hold down for 3 seconds)			
Memory Slot	TF Card, Max 64GB			
RS485	PTZ Control			
Alarm Input	1-channel input, Normally Open/Normally Close modes adjustable			
Alarm Output	1-channel output,, 120VAC 1A/24VDC 1A			
Video Output	1Vp-p Composite Output(75Ω/BNC)			
Environmental				
Power Supply	DC12V			
Power Consumption	<3W		<7W	
Operating Environment	-40°C ~ +60°C, Humidity less than95%(Non-condensing)			
Dimensions(mm)	150.2mmx77.7mmx55.8mm			
Weight(kg)	0.51kg			
PoE	IEEE802.3af			

Compatible NVR Software



And many more ONVIF Compliant VMS and PSIM systems....

