SONY
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unitized outdoor
ptz cameras

ER/EP HPoE+ and AC24V series

Sony's unitized cameras are the latest additions to the security camera lineup, offering an outstanding value to a wide variety of surveillance applications. These PTZ cameras come pre-wired and pre-installed inside an upper housing enclosure, making them ready to go, right out of the box.

key features

- Exmor™ CMOS Sensor on 720P/1080P Models
- 1080P w/20x optical zoom: SNC-ER580/EP580
- 720P w/28x optical zoom: SNC-ER550/EP550
- D1 resolution w/36x optical zoom: SNC-ER520/EP520
- Dual stream H.264/MPEG4/JPEG 30 fps @ full resolution
- Wide dynamic range
- SD/SDHC memory card slot
- Intelligent motion detection
- Bi-directional audio
- DEPA™ capability
- HPoE+ or AC24V power

unitized outdoor ptz cameras: ER/EP HPoE+ series

	HPoE+ Series					
Model name	UNI-ONER580C7	UNI-ONER550C7	UNI-ONER520C7	UNI-ONEP580C7	UNI-ONEP550C7	UNI-ONEP520C7
			Outdoor unitized pendant mount - HPoE+ type, with heater/blower and lower clear dome.			
Rapid Dome or PTZ		Rapid Dome (Endless 360° Pan)		PTZ (340° Pan)		
Video compression format			H.264/MPEG4/JPEG			
Codec streaming capability			Dual streaming (Any combination with H.264/MPEG4/JPEG, including multiple streams of the same format)			
Maximum resolution	1920 x 1080 Full HD 1080 2M	1280 x 720 HD (*1) 1M	720 x 480 SD	1920 x 1080 Full HD 1080 2M	1280 x 720 HD (*1) 1M	720 x 480 SD
Outdoor use/ Ingress protection	YES, IP66	YES, IP66	YES, IP66	YES, IP66	YES, IP66	YES, IP66
Horizontal viewing angle	55.4° to 2.9°	55.9° to 2.1°	57.8° to 1.7°	55.4° to 2.9°	55.9° to 2.1°	57.8° to 1.7°
Zoom ratio	20X optical zoom	28X optical zoom	36X optical zoom	20X optical zoom	28X optical zoom	36X optical zoom
Focal length	f=4.7 to 94 mm	f=3.5 to 98 mm	f=3.4 to 122.4 mm	f=4.7 to 94 mm	f=3.5 to 98 mm	f=3.4 to 122.4 mm
Image device	1/2.8-type Exmor™ CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor	1/4-type ExView HAD CCD®	1/2.8-type Exmor CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor	1/4-type ExView HAD CCD
Minimum illumination	Color: 1.7 lx, B/W: 0.3 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec, AGC ON, 50 IRE [IP])	Color: 1.7 lx, B/W: 0.3 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec, AGC ON, 50 IRE [IP])
Maximum frame rate	30 fps H.264 at 1920 x 1080; 20 fps MPEG4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/MPEG4/JPEG	30 fps H.264/MPEG4/JPEG	30 fps H.264 at 1920 x 1080; 20 fps MPEG4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/MPEG4/JPEG	30 fps H.264/MPEG4/JPEG
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes
Wide-D	Yes/**DynaView**™ 86dB	Yes/**DynaView** 86dB	Yes/**DynaView** 92dB	Yes/**DynaView** 86dB	Yes/**DynaView** 86dB	Yes/**DynaView** 92dB
Visibility Enhancer (VE)	No	No	No	No	No	No
Noise reduction	Yes	Yes	Yes	Yes	Yes	Yes
Edge Storage	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1
DEPA (Intelligence)	DEPA™	DEPA	DEPA	DEPA	DEPA	DEPA
Audio Capability	Yes, 2-way Audio (*2)	Yes, 2-way Audio (*2)	Yes, 2-way Audio (*2)	Yes, 2-way Audio (*2)	Yes, 2-way Audio (*2)	Yes, 2-way Audio (*2)
Alarm I/O	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1
ONVIF Compliant	Onvif™	Onvif	Onvif	Onvif	Onvif	Onvif
Pan range	360° endless rotation	360° endless rotation	360° endless rotation	340°	340°	340°
Total tilt range	210° (15° above horizon)	210° (15° above horizon)	210° (15° above horizon)	105° (15° above horizon)	105° (15° above horizon)	105° (15° above horizon)
Power requirement	HPoE+ (60W) injector included	HPoE+ (60W) injector included	HPoE+ (60W) injector included	HPoE+ (60W) injector included	HPoE+ (60W) injector included	HPoE+ (60W) injector included
Power consumption	60W max.	60W max.	60W max.	60W max.	60W max.	60W max.
Dimensions	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L
Shipping Weight	15 lbs.	15 lbs.	15 lbs.	15 lbs.	15 lbs.	15 lbs.
Operating temperature	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F

(*1) Definition of HD: More than 720p with H.264 streaming capability of more than 30 fps.
(*2) Cables are not included.

unitized outdoor ptz cameras: ER/EP AC24V series

	AC24V Series					
Model name	UNI-ONER580C2	UNI-ONER550C2	UNI-ONER520C2	UNI-ONEP580C2	UNI-ONEP550C2	UNI-ONEP520C2
	Outdoor unitized pendant mount - AC24V operation, with heater/blower and lower clear dome.					
Rapid Dome or PTZ		Rapid Dome (Endless 360° Pan)		PTZ (340° Pan)		
Video compression format	H.264/MPEG4/JPEG					
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG4/JPEG, including multiple streams of the same format)					
Maximum resolution	1920 x 1080 Full HD 1080 2M	1280 x 720 HD (*1) 1M	720 x 480 SD	1920 x 1080 Full HD 1080 2M	1280 x 720 HD (*1) 1M	7x 480 SD
Outdoor use/ Ingress protection	YES, IP66	YES, IP66	YES, IP66	YES, IP66	YES, IP66	YES, IP66
Horizontal viewing angle	55.4° to 2.9°	55.9° to 2.1°	57.8° to 1.7°	55.4° to 2.9°	55.9° to 2.1°	57.8° to 1.7°
Zoom ratio	20X optical zoom	28X optical zoom	36X optical zoom	20X optical zoom	28X optical zoom	36X optical zoom
Focal length	f=4.7 to 94 mm	f=3.5 to 98 mm	f=3.4 to 122.4 mm	f=4.7 to 94 mm	f=3.5 to 98 mm	f=3.4 to 122.4 mm
Image device	1/2.8-type Exmor™ CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor	1/4-type ExView HAD CCD®	1/2.8-type Exmor CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor	1/4-type ExView HAD CCD
Minimum illumination	Color: 1.7 lx, B/W: 0.3 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec, AGC ON, 50 IRE [IP])	Color: 1.7 lx, B/W: 0.3 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec, AGC ON, 50 IRE [IP])
Maximum frame rate	30 fps H.264 at 1920 x 1080; 20 fps MPEG4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/MPEG4/JPEG	30 fps H.264/MPEG4/JPEG	30 fps H.264 at 1920 x 1080; 20 fps MPEG4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/MPEG4/JPEG	30 fps H.264/MPEG4/JPEG
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes
Wide-D	Yes/*DynaView*™ 86dB	Yes/*DynaView* 86dB	Yes/*DynaView* 92dB	Yes/*DynaView* 86dB	Yes/*DynaView* 86dB	Yes/*DynaView* 92dB
Visibility Enhancer (VE)	No	No	No	No	No	No
Noise reduction	Yes	Yes	Yes	Yes	Yes	Yes
Edge Storage	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1	SD card slot x1
DEPA (Intelligence)	DEPA™	DEPA	DEPA	DEPA	DEPA	DEPA
Audio Capability	Yes, 2-way Audio (*3)	Yes, 2-way Audio (*3)	Yes, 2-way Audio (*3)	Yes, 2-way Audio (*3)	Yes, 2-way Audio (*3)	Yes, 2-way Audio (*3)
Alarm I/O	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1	Yes, 2/1
ONVIF Compliant	Onvif™	Onvif	Onvif	Onvif	Onvif	Onvif
Pan range	360° endless rotation	360° endless rotation	360° endless rotation	340°	340°	340°
Total tilt range	210° (15° above horizon)	210° (15° above horizon)	210° (15° above horizon)	105° (15° above horizon)	105° (15° above horizon)	105° (15° above horizon)
Power requirement	AC 24V (*2)	AC 24V (*2)	AC 24V (*2)	AC 24V (*2)	AC 24V (*2)	AC 24V (*2)
Power consumption	52W max.	52W max.	52W max.	52W max.	52W max.	52W max.
Dimensions	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L	11.5"W x 21.5"H x 11.5L
Shipping Weight	13 lbs.	13 lbs.	13 lbs.	13 lbs.	13 lbs.	13 lbs.
Operating temperature	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F	-20° to 122° F

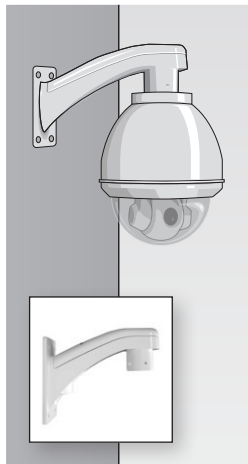(*1) Definition of HD: More than 720p with H.264 streaming capability of more than 30 fps.
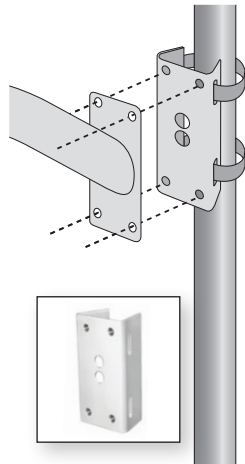(*2) AC 24V power supply not included.
(*3) Cables are not included.

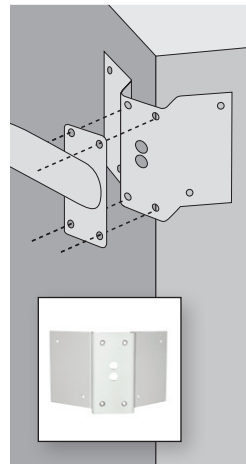# ptz mounting accessories:

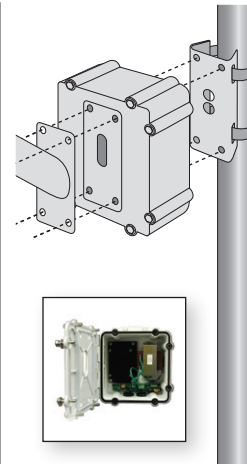**UNI-WMB1**
Wall mount

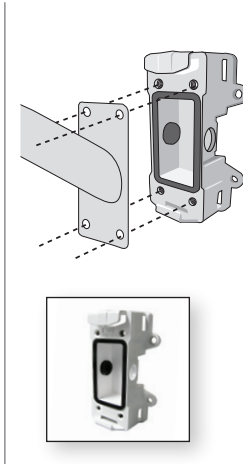**UNI-WMB3**
Wall mount
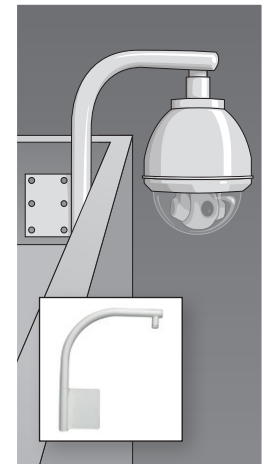

UNI-PMA1
Pole mount adaptor

UNI-CMA1
Corner mount adaptor

UNI-PBU1
Power block unit,
24VAC

UNI-WMBB1
Surface/pole mount
used with UNI-WMB1
or UNI-WMB3 wall
mount

UNI-RMB1
Parapet Roof mount,
PP Wall