

- Multiple Progressive Scan CMOS Sensor Support 1080p/3/4/5/6M Resolution
 - Multi-exposure HDR
 - Low Latency Streaming
 - Low Power Consumption on Encoding
 - Quad codec support (H.264 Baseline / Main Profile / High Profile / MJPEG)
 - Quad Streams Support
 - Tampering Alarm
 - Motion Detection
 - Text Overlay and Privacy Masks
 - 3D Motion Compensated Noise Reduction (MCTF)
 - Network Failure Detection
 - True Day/Night Function (ICR)
 - IR LED Module support (working distance up to 40m) *
 - BNC Analog Output* (Installation purpose)
 - Weatherproof (IP66 International)*
 - 64GB microSDXC SD Card support
 - ONVIF Profile S Support
- Note: Items marked with asterisk (*) are optional



The Superior HDR Mini Dome IP Camera is a high-end surveillance solution with easy set up design. Supporting up to 5M real-time video and Quad Streams Codec (H.264 Baseline / Main / High Profile + MJPEG) offers supreme image quality while keeping efficient bandwidth for storage management.

Also, PM Series camera is equipped with HDR function, and it provides up to 4M real-time stream with 2 shutter WDR image, which is suitable for scenarios under extreme light contrast or environments with changing lighting..

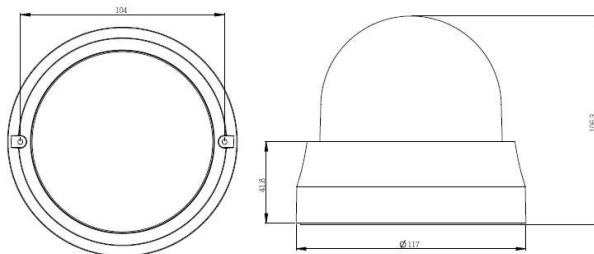
Product Specification

ET-160Q2/PM - Superior HDR Mini Dome IP Camera

Camera	ET160Q2-V6		ET160PM-SD		ET160PM-V6	
Image Sensor	1/3" Progressive CMOS		1/1.8" Sony Progressive CMOS		1/2.8" Sony Progressive CMOS	
Effective Pixels	1080p(1920x1080)/4M(2688x1512)		4M (2688x1512)		6M (2688x1520)	
Minimum Illumination	Color	0.04 lux	0.1 lux		0.05 lux	
	B/W	0.002 lux	0.01 lux		0.005 lux	
Shutter Speed			1 ~ 1/10000 sec			
S/N Ratio	>50dB				TBD	
Lens						
Lens	Motorized	Auto focus	Motorized	Auto focus	Motorized	Auto focus (2x)
Focal Length	2.8-12mm	2.8-12mm	3-9mm	3-9mm	4-9mm	4-8mm
D Number	F1.7	F1.2	F1.7	F1.2	F1.6	F1.2
FOV	107 ° (Wide); 42 ° (Tele)	107 ° (Wide); 42 ° (Tele)	109 ° (Wide); 33 ° (Tele)	109.1 ° (Wide); 35.2 ° (Tele)	104 ° (Wide); 50 ° (Tele)	104 ° (Wide); 60 ° (Tele)
Operation	English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese					
Multiple Languages	English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese					
Image Setting	Iris Control	DC Iris / P-iris				
	Backlight Compensation	On/Off				
	White Balance	Auto / Manual / ATW / One Push				
	Noise Reduction	3D / 2D / Color	Low / Middle / High / Off (w/ Motion Compensation)			
	Wide Dynamic Range	Shutter WDR On/Off (120dB)			Gamma WDR On/Off (112dB)	
	Privacy Mask	On/Off				
	Brightness	Manual				
	Exposure	Auto / Manual				
	Sharpness	Manual				
	Contrast	Manual				
	Saturation	Manual				
	Hue	Manual				
	Digital Zoom	Support				
	ICR	Auto / Day / Night				
ICR + IR LED*	Auto / LED On / LED Off / Light Sensor / Day / Night					
Day/Night Threshold	Support					
Event Setting	Motion Detection	By Schedule / On / Off				
	Tampering Alarm	By Schedule / On / Off				
	Network Failure Detection	By Schedule / On / Off				
	Audio Detection	On / Off				
Audio	Two-way Audio	Outdoor: Line in / Line out				
	Compression	G.711 / G.726 / AAC / LPCM				
Network	G.711 / G.726 / AAC / LPCM					
Interface	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile					
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile					
Video Streaming	Dual Streams	Normal Mode	H.264 4M (2688x1512) @15/10 fps + H.264	H.264 4M (2688x1512) @25/30 fps + H.264 D1	H.264 5M (2592x1944) @25/30 fps + H.264 D1	
			H.264 3M (2048x1536) @25/30 fps + H.264	@25/30 fps Note: 1 of the 2M or under	@25/30 fps H.264 6M (3072x2048) @15 fps +	

		1080p @ 25/30 fps	streaming can be MJPEG	H.264 1080p @ 15 fps
HDR Mode		H.264 4M (2688x1512) @15/15 fps + H.264 D1 H.264 3M (2304x1096) @25/30 fps + H.264 D1 @25/30 fps H.264 1280x720, 1024x768, 800x600 @50fps	H.264 4M (2560x1440) @25/30 fps + H.264 D1 @25/30 fps Note: 1 of the 2M or under streaming can be MJPEG	NA
Quad Streams	Normal Mode	H.264 3M (2304x1096) @25/30 fps + H.264 1080p @25/30 fps + H.264 cif @25/30 fps + H.264 cif @25/30 fps	H.264 4M @25/30 fps + H.264 720P @25/30 fps + H.264 VGA @25/30 fps + H.264 CIF @25/30 fps Note: 1 of the 2M or under streaming can be MJPEG	H.264 5M (2592x1944) @25/30 fps + H.264 SVGA @15 fps + H.264 CIF@15 fps + H.264 CIF@15 fps H.264 6M (3072x2048) @15 fps + H.264 1080p @15 fps + H.264 720p @15 fps + H.264 D1 @15 fps
	HDR Mode	H.264 3M (2304x1096) @25/30 fps + H.264 cif @25/30 fps + H.264 cif @25/30 fps + H.264 cif @25/30 fps	H.264 4M (2560x1440) @25/30 fps + H.264 SVGA @15 fps + H.264 CIF @15 fps + H.264 CIF @15 fps	NA
Video Resolution	H.264	4M (2688x1512) / 3M (2304x1096) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF	4M (2688x1512) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF	6M(3072x2048)/5M(2592x1944)/3M(2048x1536) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF
	MJPEG	Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF		
Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF		
Security		HTTPS / IP Filter / IEEE 802.1X		
Alarm	Input	1 Set 5V 10kΩ pull up		
	Output	1 Set Photo Relay Output 300V DC/AC		
Event Notification		HTTP / FTP / SMTP		
SD		microSDXC 64GB support		
Supported Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari		
User Account		20		
Password Levels		User and Administrator		
Mechanical				
Built-in IR Illuminator*	Working Distance	Up to 40m		
	Wavelength	850nm		
	Number of LEDs	6		
LED Indicator		Power / ACT ; Status		
Connectors	Type	Indoor		Outdoor
	Alarm	4 to 8 Pin Terminal Block (Female)		4 Pin Terminal Block (Male)
	Power	2 Pin Terminal Block (Female)		2 Pin Terminal Block (Male)
	Ethernet	RJ-45		RJ-45
	Analog Video	1.0 Vp-p / 75 Ω / BNC cable* (Installation purpose)		1.0 Vp-p / 75 Ω / BNC cable
	Audio	4 of 8 Pin Terminal Block (Female)		Stereo phone jack, Ø 3.5 mm
General				
Start-up Temperature		w/o heater: -20°C (-4°F) w/ heater: -40°C (-40°F)		
Operating Temperature		-30°C ~ 55°C (-22° ~ 131°F) w/Heater, powered by DC12V/AC24V/PoE: -40°C ~ 55°C (-40° ~ 131° F)		
Humidity		10% ~ 90%, No Condensation		
Weatherproof Standard*		IP66		
Dimension		Ø 117 x 106.3 mm (Ø 4.6 x 4.2 in.)		
Weight		512g (1.13lb)		
Power Source		DC 12V / AC 24V / PoE		
Power Consumption	Operation (802.3af) System	3.64W		
	Operation (802.3af) Others	Zoom/Motorized Lens: +1.1W / IR LED: +4W/ Heater: +4W / SD Card: +0.6W		
	Cold Start (802.3af) Heater	4W		
Regulatory		CE / FCC		
* Mark for optional items Product specification and availability are subject to change without notice.				

Dimension

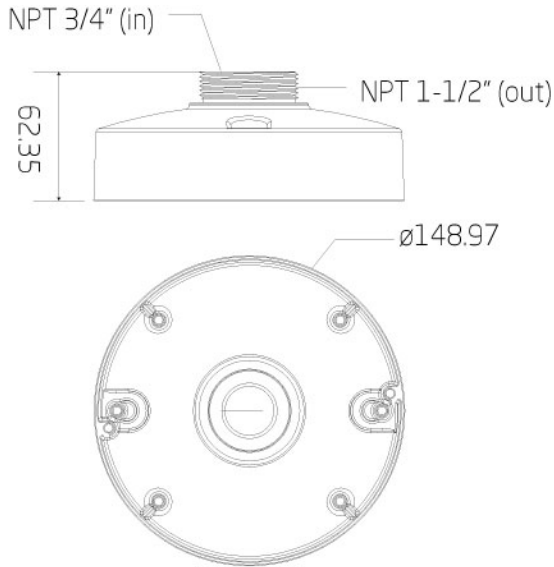


ET-160CS

Width: 117 mm (4.60 Inches)
Height: 106.3 mm (4.18 Inches)

Opening: w/ ET160CS: 150mm (5.90 Inches)
IP66 Outdoor Option:

ET-160 IM102



ET0160-PM6 - w/o anti-drop wire

