

# 2MP VF Network IR Bullet Camera

# CC-242R5-PSD2812



## **Key Features**

### **Optics**

- Day/night functionality
- Smart IR, up to 50m (164ft) IR distance
- Up to 120 dB OpticalWDR(Wide Dynamic Range)
- 2D/3D DNR(Digital Noise Reduction)

### Compression

- Ultra 265,H.265, H.264, MJPEG
- Embedded smart algorithm
- Triple streams
- ROI (Region of Interest)
- 9:16 corridor mode

#### Network

ONVIF Conformance

#### Structure

- Support PoE power supply
- Wide temperature range: -35°C to 60°C (-31°F to 140°F)
- Wide voltage range of ±25%
- IP67



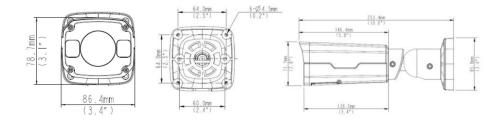
# **Specifications**

Serior 1929*, progressive suck-undergrische Curton 1929*, progressive suck-under 1929*, progressive suck-undergrische 1929*, progressive suck-under 1929*, progressive suck-unde		CC-242R5-PSD2812						
Lens         lens (lens (le	Camera							
Definition   De	Sensor	1/2.9", progressive scan,2.0Megapixel, CMOS						
Dots   Distance   D	Lens	2.8~12mm@F1.4						
12mm		Lens	Detect(m)		Observe(m)	Recogn	nize(m)	Identify(m)
Angle of View(H) 55.7°14.4° Angle of View (V) 55.7°14.4° Angle of View (V) 140.2°32.3° Adjustment angle Pan: 0°360° Tilt: 0°90° Rotate:0°360° Nuture Auto/Manual, 1/6°1/1000005 All minimum Illumination Colour; 0.002 Lux (F1.4, AGC ON) OLux with IR Rotate:0°360° Digital noise reduction 20/30 DNR S-248 IR Range Upto 50m (164 ft) IR range Defog Digital Defog Pure Pan	DORI Distance	2.8mm	45		18	9		4.5
Angle of View (V)         56.7°-14.4°           Angle of View (Q)         140.2°-32.3°         Titls 0°-90°         Rotate.0°-360°           Shutter         Auto/Manual, 1/6°-1/100000s         Titls 0°-90°         Rotate.0°-360°           Minimum Illumination         Coloure : 0.002 Lux (F1.4, AGC ON) olux witch IR         Titls 1000000000000000000000000000000000000		12mm	192.9		77.1	38.6		19.3
Angle of View (O)         140.2~32.3°         Tits 0~90°         Rotate-0~360°           Shutter         Auto/Manual, 1/6~1/100000s         Tits 0~90°         Rotate-0~360°           Minimum Illumination         Colours (.O02 Lux (ri.4, AGC ON))         Survers         Survers           Dayl Night         IR-cut filter with auto switch (ICR)         Survers         Survers           Digital noise reduction         20/30 DNR         Survers         Survers           S/N         5-226B         Survers         Survers           Brage         Up to 50m (164 ft) IR range         Survers         Survers           Defog         Digital Defog         WDR         120 dB           Video           Video Compression         Ultra 265,H.264, MIPEG         Survers         Survers           H. 264 code profile         Baseline profile, Main Profile, High Profil	Angle of View(H)	107.8° ~ 26.3°						
Adjustment angle         Pare: 0°-360°         Till: 0°-90°         Rotate: 0°-360°           Shutter         Auto/Manual, 1/6°1/1000005	Angle of View (V)	56.7°~14.4°						
Shutter         Auto/Manual, 1/6*1/100000s           Minimum Illumination         Colour: 0.002 Lux (F1.4, AGC ON) 0 Lux with IR           Day/Night         IR-cut filter with auto switch (ICR)           Digital noise reduction         20/3D DNR           5/N         >52dB           IR Range         Up to 50m (164 ft) IR range           Defog         Digital Defog           WDR         120 dB           Video         Video Compression           H.264 code profile         Baseline profile, Main Profile, High Profile           H.264 code profile         Baseline profile, Main Profile, High Profile           Main Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max.30 fps; Third Stream: D1 (720×576): Max.30 fps           9:16 Corridor Mode         Supported           BLC         Supported           BLC         Supported           BLC         Supported           SCO         Up to 8 areas           ROI         Up to 8 areas           Motion Detection         Up to 4 areas           Audio         Supported           Supported         Supported           Supported         Supported           Supported         Supported           Supported         Supported <t< td=""><td>Angle of View (O)</td><td>140.2°~32.3°</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Angle of View (O)	140.2°~32.3°						
Minimum Illumination         Colour: 0.002 Lux (F1.4, AGC ON) 0 Lux with IR           Day/Night         IR-cut filter with auto switch (ICR)           Digital noise reduction         20/3D DNR           S/N         >52 dB           IR Range         Up to 50m (164 ft) IR range           Defog         Digital Defog           WDR         120 dB           Video           Video           Video Compression         Ultra 265, H.264, MJPEG           H.264 code profile         Baseline profile, Main Profile, High Profile           Main Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: 2MP (1920×1080): Max. 3	Adjustment angle	Pan: 0°~360° Tilt: 0°~90° Rotate:0°~360°					ī.	
Minimum Illumination         Quux with IR           Day/Night         IR-cut filter with auto switch (ICR)           Digital noise reduction         20/30 DNR           \$N         >52 dB           IR Range         Up to 50m (164 ft) IR range           Defog         Digital Defog           WDR         120 dB           Video           Video Compression           H.264 code profile         Baseline profile, Main Profile, High Profile           H.264 code profile         Baseline profile, Main Profile, High Profile           Frame Rate         Main Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: 10 (1720×576): Max. 30 fps; Third Stream: 10 (1720×576	Shutter	Auto/Manual, 1/6~1/100000s						
Digital noise reduction         ZD/3D DNR           S/N         >52dB           IR Range         Up to 50m (164 ft) IR range           Defog         Digital Defog           WDR         120 dB           Video           Video Compression         Ultra 265,H.265, H.264, MJPEG           H.264 code profile         Baseline profile, Main Profile, High Profile           H.264 code profile         Baseline profile, Main Profile, High Profile           Frame Rate         Main Stream: ZMP (1920×1080): Max. 30 fps; Third Stream: ZMP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max.30 fps           9:16 Corridor Mode         Supported           BLC         Supported           BLC         Supported           BLC         Supported           SD         Up to 8 oSb           Privacy Mask         Up to 8 areas           ROI         Up to 4 areas           Audio Compression         G.711           Tow-way audio         Supported           Suppression         Supported           Supported         Supported           Supported         Supported           Supported         Supported           Supported         Supported           Supported         Suppo	Minimum Illumination							
S/N       >52dB         IR Range       Up to 50m (164 ft) IR range         Defog       Digital Defog         WDR       120 dB         Video         Video Compression       Ultra 265,H.265, H.264, MIPEG         H.264 code profile       Baseline profile, Main Profile, High Profile         H.264 code profile       Baseline profile, Main Profile, High Profile         Frame Rate       Main Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max. 30 fps; Third Strea	Day/Night	IR-cut filter with auto sw	itch (ICR)					
IR Range     Up to 50m (164 ft) IR range       Defog     Digital Defog       WDR     120 dB       Video       Video Compression     Ultra 265,H.265, H.264, MJPEG       H.264 code profile     Baseline profile, Main Profile, High Profile       H.264 code profile     Baseline profile, Main Profile, High Profile       Frame Rate     Main Stream:2MP (1920×1080): Max. 30 fps; Third Stream: 2MP (1920×1080): Max. 30 fps; Third S	Digital noise reduction	2D/3D DNR						
Defog         Digital Defog           WDR         120 dB           Video         Video           Video Compression         Ultra 265,H.265, H.264, MIPEG           H.264 code profile         Baseline profile, Main Profile, High Profile           H.264 code profile         Baseline profile, Main Profile, High Profile           Frame Rate         Main Stream: 2MP (1920×1080): Max. 30 fps; Third S	S/N	>52dB						
WDR         120 dB           Video Compression         Ultra 265, H.264, MJPEG           H.264 code profile         Baseline profile, Main Profile, High Profile           Frame Rate         Main Stream: 2MP (1920×1080): Max. 30 fps; Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max.30 fps           9:16 Corridor Mode         Supported           BLC         Supported           BLC         Supported           OSD         Up to 8 OSDs           Privacy Mask         Up to 8 areas           ROI         Up to 8 areas           Motion Detection         Up to 4 areas           Audio         Audio Compression           G-711         Two-way audio         Supported           Suppression         Supported           Suppression         Supported           Sampling Rate         8 KHZ           Smart         Intrusion, cross line, motion detection           Behavior Detection         Intrusion, cross line, motion detection	IR Range	Up to 50m (164 ft) IR range						
Video Compression Ultra 265,H.264, MJPEG H.264 code profile Baseline profile, Main Profile, High Profile Main Stream:2MP (1920×1080): Max. 30 fps; Frame Rate Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream:D1 (720×576): Max.30 fps 9:16 Corridor Mode Supported HLC Supported BLC Supported BLC Supported CSD Up to 8 OSDs Privacy Mask Up to 8 areas ROI Up to 8 areas ROI Up to 8 areas Audio Audio Compression G.711 Two-way audio Supported Sampling Rate 8 KHZ Smart Behavior Detection Intrusion, cross line, motion detection Behavior Detection Intrusion, cross line, motion detection	Defog	Digital Defog						
Video Compression     Ultra 265,H.265, H.264, MJPEG       H.264 code profile     Baseline profile, Main Profile, High Profile       Frame Rate     Main Stream:2MP (1920×1080): Max. 30 fps;	WDR	120 dB						
H.264 code profile       Baseline profile, Main Profile, High Profile         Frame Rate       Main Stream: 2MP (1920×1080): Max. 30 fps; Sub Stream: 2MP (1920×576): Max.30 fps; Third Stream: D1 (720×576): Max.30 fps         9:16 Corridor Mode       Supported         HLC       Supported         BLC       Supported         OSD       Up to 8 OSDs         Privacy Mask       Up to 8 areas         ROI       Up to 8 areas         Motion Detection       Up to 4 areas         Audio         Audio Compression       G.711         Two-way audio       Supported         Suppression       Supported         Sampling Rate       8 KHZ         Smart       Behavior Detection       Intrusion, cross line, motion detection         Behavior Detection       Intrusion, cross line, motion detection	Video	Video						
Frame Rate Main Stream: 2MP (1920×1080): Max. 30 fps; Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream:D1 (720×576): Max.30 fps  9:16 Corridor Mode Supported  HLC Supported  BLC Supported  OSD Up to 8 OSDs  Privacy Mask Up to 8 areas  ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio Compression G.711  Two-way audio Supported  Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Video Compression	Ultra 265,H.265, H.264, MJPEG						
Frame Rate Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max.30 fps  9:16 Corridor Mode Supported  HLC Supported  BLC Supported  OSD Up to 8 OSDs  Privacy Mask Up to 8 areas  ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio Compression G.711  Two-way audio Supported  Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	H.264 code profile	Baseline profile, Main Profile, High Profile						
HLC Supported  BLC Supported  OSD Up to 8 OSDs  Privacy Mask Up to 8 areas  ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio  Audio  Audio Compression G.711  Two-way audio Supported  Shart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Frame Rate	Sub Stream: 2MP (1920×1080): Max. 30 fps;						
BLC Supported OSD Up to 8 OSDs Privacy Mask Up to 8 areas ROI Up to 8 areas Motion Detection Up to 4 areas Audio Audio Compression G.711 Two-way audio Supported Suppression Supported Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection Behavior Detection Intrusion, cross line, motion detection	9:16 Corridor Mode	Supported						
OSD Up to 8 OSDs  Privacy Mask Up to 8 areas  ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio  Audio Compression G.711  Two-way audio Supported  Suppression Supported  Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection  Intrusion, cross line, motion detection	HLC	Supported						
Privacy Mask Up to 8 areas  ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio  Audio Compression G.711  Two-way audio Supported  Supported  Supported  Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	BLC	Supported						
ROI Up to 8 areas  Motion Detection Up to 4 areas  Audio  Audio Compression G.711  Two-way audio Supported  Suppression Supported  Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	OSD	Up to 8 OSDs						
Motion Detection  Audio  Audio Compression  G.711  Two-way audio Supported Suppression Supported  Sampling Rate  8 KHZ  Smart  Behavior Detection  Intrusion, cross line, motion detection  Behavior Detection  Intrusion, cross line, motion detection	Privacy Mask	Up to 8 areas						
Audio Compression G.711 Two-way audio Supported Suppression Supported Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection Behavior Detection Intrusion, cross line, motion detection	ROI	Up to 8 areas						
Audio Compression G.711 Two-way audio Supported Suppression Supported Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection Behavior Detection Intrusion, cross line, motion detection	Motion Detection	Up to 4 areas						
Two-way audio Supported Suppression Supported Sampling Rate 8 KHZ Smart Behavior Detection Intrusion, cross line, motion detection Behavior Detection Intrusion, cross line, motion detection	Audio							
Suppression Supported  Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Audio Compression	G.711						
Sampling Rate 8 KHZ  Smart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Two-way audio	Supported						
Smart  Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Suppression	Supported						
Behavior Detection Intrusion, cross line, motion detection  Behavior Detection Intrusion, cross line, motion detection	Sampling Rate	8 KHZ						
Behavior Detection Intrusion, cross line, motion detection								
Behavior Detection Intrusion, cross line, motion detection	Behavior Detection	Intrusion, cross line, mo	Intrusion, cross line, motion detection					
Intrusion Enter and loiter in a pre-defined virtual region				gion				



Cross a pre-defined virtual line			
Moving within a pre-defined virtual region			
Face detection、Audio detection			
Defocus, Scene Change			
People counting			
Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication			
Micro SD, up to 128 GB			
ANR			
IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSL, TLS			
ONVIF(Profile S, Profile G), API			
Audio cable			
Input: impedance 35 kΩ; amplitude 2 V [p-p]			
Output: impedance 600 $\Omega$ ; amplitude 2 V [p-p]			
1/1			
1 RJ 45 10M/100M Base-TX Ethernet			
12 V DC±25%, PoE (IEEE802.3 af)			
Power consumption: Max 9W			
253.4 ×86 ×71.7 mm (9.98" × 3.4" × 2.8")			
0.58kg (1.28lb)			
-35°C ~ +60°C (-31°F ~ 140°F), Humidity:10%~95% RH(non-condensing)			
33 C 100 C ( 311 140 1), Hammary 110/0 33/0 Mil(Non condensing)			

## **Dimensions**



## Accessories

Installation mode	Accessories	Description
Wall mount	\	Mounting pedestal is included in the Product package
Ceiling mount	\	Mounting pedestal is included in the Product package
Rail mount	TR-UP06-A-IN	For outdoor rail installation
Pole mount	TR-UP06-A-IN	For outdoor pole installation