RC6802HD-6217-LC

H.264 Full HD Compact Indoor / Outdoor IR Bullet IP Camera

- Full HD1080p @ 30fps
- Video Compression: H.264, MJPEG
- True Day/Night and WDR
- Dual Video Stream
- Built-in IR illuminator with Smart IR adjustment
- MicroSD/SDHC Memory Card Slot
- **ONVIF** Support, IP66, PoE (IEEE 802.3af)
- Embedded VCA Technology Video Analytics
- Burnt-in Text, Video Motion Detection

Specifications

CAMERA	
Image Sensor	SONY EXMOR 1/2.9" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
AGC Control	Auto, adjustable amplification level
Minimum Illumination	Color: 1.0 lux, BW: 0.00 lux (IR LED On)
Lens	4.3mm, F2.0
Angle of View	Horizontal: approx. 74.4° Vertical: approx. 40.8°
Shutter Time	1/10000s to 1/2s
Shutter Exposure Modes	Automatic - with configurable min/max shutter speed (exposure time range) Manual - with configurable fixed shutter speed Flicker-Control - 50/60Hz
Day & Night Switching	Auto/Manual (both switching level adjustable (1 ~ 64) removable IR Cut Filter
Image Settings	Configurable brightness, contrast, saturation, sharpness, vertical flip & horizontal mirror function Corridor Mode (-90° / +90° image flip)
2D-DNR	Configurable digital noise reduction 1 ~ 16
Wide Dynamic Range	Up to 100dB Dynamic Range with activated WDR
Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV
White Balance	ATW1 / ATW2 / Push / Manual
DSS (Sens-up)	Configurable digital slow shutter 2X ~ 16X
Backlight Compensation	BLC On/Off (possible to designate zone)
Focus Assistant	Video display to simplify the focus point adjustment
IR ILLUMINATOR	
IR LED	High Power IR LED x 8 (850nm)
IR Working Distance	approx 20m
SMART IR	Automatically adjust the infrared light to the best, according to the brightness of the scene
VIDEO	
Video Compression	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)
Video Streaming	Dual Stream, Independent Configurable **H.264:** Controllable frame rate and image resolution, video stream bandwidth limitation (CVBR/CBR) **MJPEG:** Controllable frame rate and image resolution, JPEG quality

VIDEO		
Resolutions	**16:9 mode**	1920x1080, 1280x720, 1120x630, 960x540, 800x450, 640x360, 480x270, 320x180
	4:3 mode	SXGA(1280x960), XGA(1024x768), SVGA (800x600), PAL(720x576), NTSC(720x480) VGA(620x480), QVGA(320x240)
Frame Rate		H.264: Configurable up to max 30fps in all resolution* MJPEG: Configurable up to max 30fps in all resolution*
Motion Detection		Max. 8 zones with independent configuration of detection sensitivity and target object size
Video Stabilization		Supported for First/Second Stream and Snapshot
Defogging		Selectable Defogging level (low, medium, high)
Burnt-in Text		Time / Date / Name (Name up to 48 characters), flexible display position
Privacy Mask Zones		4 flexible configurable regions
NETWORK		
Ethernet Standard/IP		10 / 100 Base-T / IPv4, IPv6
Protocol		QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP,DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP,ICMP, SSLv2/v3, TLSv1, SRTP, RTMP
Users Connection		Live viewing for up to 10 clients
Security		HTTPS(SSL), IP Filtering, Multi-level access with password protection
GENERAL		
Edge Storage		Via micro SD/SDHC card (up to 32GB) for continuous or event recording. Search interface for event files, playback and download (card not included).
Application Programming Interface		Software Development Kit (SDK) available ONVIF compliant
Event Metadata Streaming RTSP/RTP		Video Motion Detection(MD), Video Content Analytics(VCA)
ONVIF		Version: 2.41 (Support Profile S and G)
Event Sources		Sensor(DI), Video Motion Detection, Tamper Detection, Video Content Analytics(VCA), Network Loss/Detect, Network Setting Change, Time (Recurrence/Schedule)

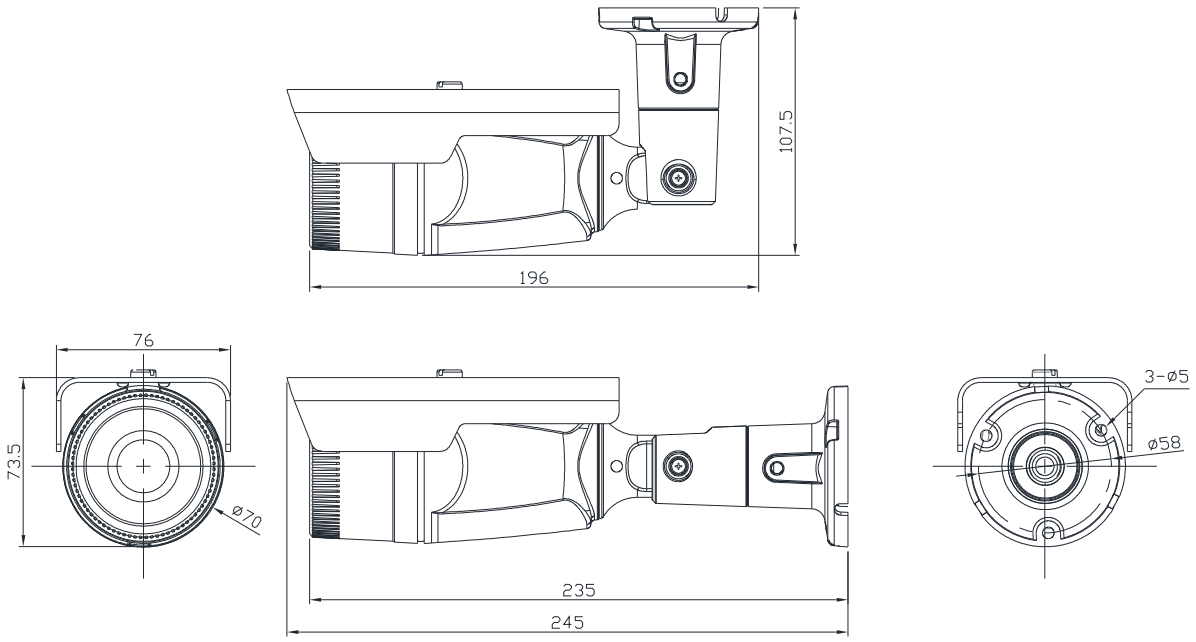
RC6802HD-6217-LC

GENERAL	
Event Actions	Notification service via TCP/IP, HTTP, multicast or email text messages with snapshot, DO-contact, file upload on external FTP server, local SDmemory card recording
Approvals	FCC, CE, KC, UL, IP66, RoHs
ELECTRICAL	
Power Source	PoE (IEEE 802.3af)
Power Consumption	(approx) 6W
ENVIROMENT	
Operation Temperature	PoE : -20°C ~ 50˚C (-4˚F ~ 122˚F)
Operating Humidity	Up to 85% RH, Non-condensing
MECHANICAL	
Material	Aluminum Die Casting
Color	White
Dimension	76(W) x 73.5(H) x 235(D)mm (with bracket)
Weight (Approx)	600g (1.32lb)

* If VCA is activate, frame rate is limit to max15fps@1080p. Limitations are based on V.1.9.0 firmware release and could be changed without notice

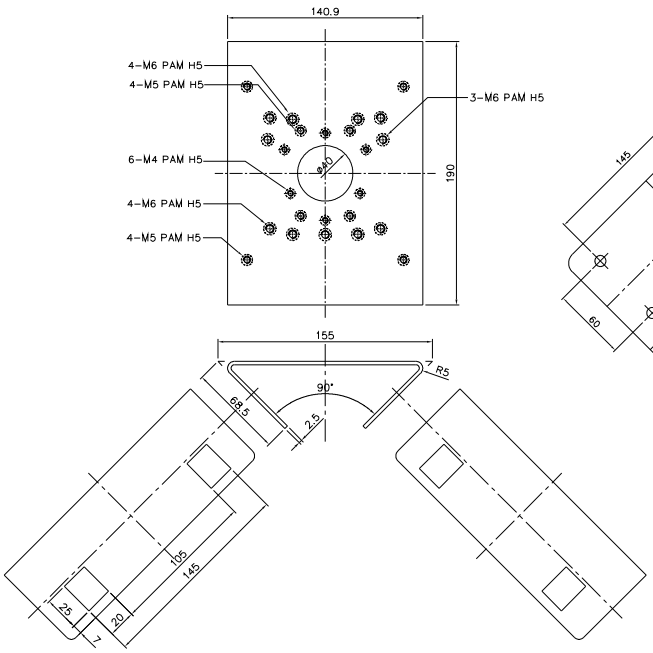
VIDEO CONTENT ANALYSIS (Included as Standard)	
High Performance	Advanced tracking algorithm and low false alarm rate
Easy to Use	Intuitive web browser interface
Detection Zones and Rules	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
On-screen Display	Real-time display of tracking data and events via activeX plug-in in IE browser
Burnt in Annotation	Allows the VCA annotation to be burnt into the raw video stream for displaying on third party application
Tamper Detection	Recognize camera tampering via VCA detection (defocusing, lens covering, camera moving)
VIDEO CONTENT ANALYSIS (Option extension License)	
Available License	VCAdetectIP, VCAcountIP, VCAsurveillanceIP, VCAadvancedIP, VCAprofessionalIP
VCA Detection Filters	Objekt: Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
VCA Features	- Up to 20 Onscreen Counter Displays - Counting-Line for accuracy people and vehicle counting with local database and reporting service - VCA calibration via 3D tools for right object size detection - Several definable object class to include into the - detection rules for the VCA alarm - 10 colors in total to distinguish objects by color - People tracking mode to tracks individuals separately among overlapped multiple people - Heatmap Report shows relative crowd density of the 24 hour period (criterion: midnight)
Logical Rules	Extension of alarm rules using logical operators (AND, OR..) for the VCA detection filters of created zones / lines
Info VCA	Details regarding supported VCA filters and features of the different extension licenses find on 'Filter Matrix VCA License' document

Dimension (Unit: mm)



RC6802HD-6217-LC

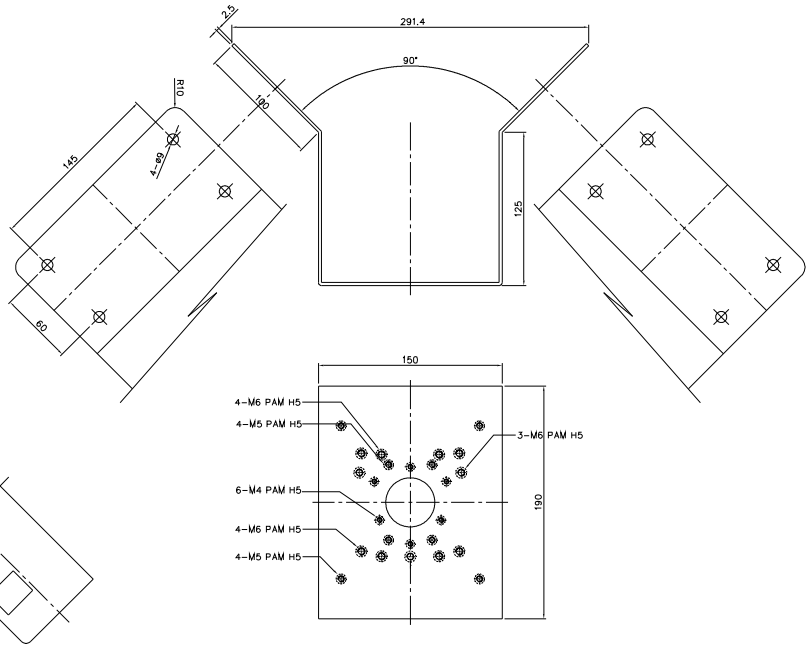
Accessories



Pole Mount Adaptor

Model: PMA-U100

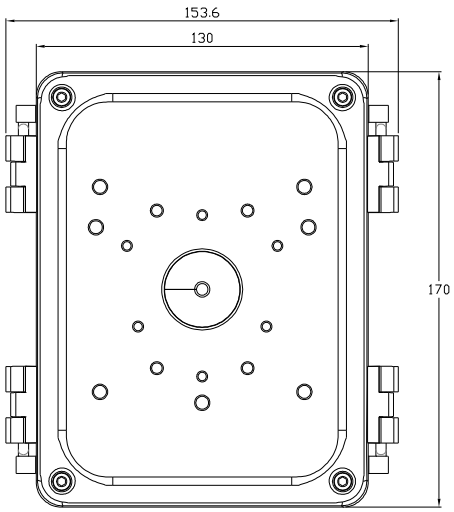
Weight: 2,28Kg (5.0lbs)

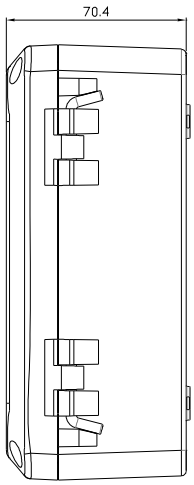


Corner Mount Adaptor

Model: CMA-U100

Weight: 946g (2.1lbs)





Junction Box

Model: JBK-U100

Weight: 1.02Kg (2.2lbs)

To mount bullet camera model RC6602HD/RC7602HD/RC6802HD on pole or comer the adaptor PMA-6000 or CMA-6000 can use alternative.

Please note: To cover IP classification of the camera housing or bracket need accordingly installation