

# RC6702HD

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

- Full HD1080p @ 30fps
- Video Compression: H.264, MJPEG
- True Day/Night and WDR
- Built-in IR illuminator with Smart IR
- Remote zoom and focus, one click focus\*\*
- 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	
Model	<b>RC6702HD-6211:</b> Varifocal lens
	<b>RC6702HD-6311:</b> Motorized Focus & Zoom lens
Image Sensor	SONY EXMOR 1/2.9" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
AGC Control	Auto, adjustable amplification level
Auto IRIS (DC)	Iris control via camera unit
Minimum Illumination	<b>6211</b> Color: 0.7 lux, - BW: 0.00 lux (IR LED On)
	<b>6311</b> Color: 0.5 lux, - BW: 0.00 lux (IR LED On)
Lens	<b>6211</b> 3.0(w) – 9.0mm(t), F1.5(w) – F2.5(t), Manual Vario
	<b>6311</b> 2.8(w) – 12.0mm(t), F1.4(w) – F2.6(t), Motorized Focus & Zoom Control – One Click Focus Function
Angle of View	<b>6211</b> Horizontal: Approx. 98.2°(Wide) to 37.4°(Tele) Vertical: Approx. 55.2°(Wide) to 21.6°(Tele)
	<b>6311</b> Horizontal: Approx. 100°(Wide) to 35°(Tele) Vertical: Approx. 54°(Wide) to 20°(Tele)
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	<b>6311</b> Video display to simplify the focus point adjustment

IR ILLUMINATOR		
IR LED	<b>6211</b>	High Power IR LED x 12 (850nm)
	<b>6311</b>	High Power IR LED x 16 (850nm)
IR Working Distance	<b>6211</b>	up to 30m
	<b>6311</b>	up to 35m
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 <b>H.264:</b> Controllable frame rate and image resolution, bandwidth limitation (CVBR/CBR) <b>MJPEG:</b> Controllable frame rate and image resolution, JPEG quality
Resolutions	<b>16:9 mode</b>	1920x1080, 1280x720, 1120x630, 960x540, 800x450, 640x360, 480x270, 320x180
	<b>4:3 mode</b>	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)
Text Overlay		Free positioning of display for time/ data/ name (name up to 48 signs)
Privacy Mask Zones		4 flexible configurable regions
Analogue Video		NTSC/PAL Video Signal (1.0Vp-p, 75Ω)
NETWORK		
Ethernet Standard/IP		10 / 100 Base-T / IPv4, IPv6
Protocol		QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTSP, 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		
I/O Terminal		1x Alarm In - max 50mA@5VDC, TTL 1x Alarm Out - max 50mA@24VDC, TTL

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GENERAL	
<b>Edge Storage</b>	Via micro SD/SDHC (up to 32GB) card for continuous or event recording. Search interface for event files, playback and download (card not included).
<b>Application Programming Interface</b>	Software Development Kit (SDK) available
<b>Event Metadata Streaming RTSP/RTP</b>	Video Motion Detection(MD), Video Content Analytics(VCA)
<b>ONVIF</b>	Version: 2.41 (Support Profile S and G)
<b>Event Sources</b>	Sensor(DI), Video Motion Detection, Tamper Detection, Video Content Analytics(VCA), Network Loss/Detect, Network Setting Change, Time (Recurrent/Schedule)
<b>Event Actions</b>	Notification service via TCP/IP, HTTP, multicast or email text messages with snapshot, DO-contact, file upload on external FTP server, local SD memory card recording
<b>Approvals</b>	FCC, CE, KC, UL, IP66, RoHs
ELECTRICAL	
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)
<b>Power Consumption</b>	<b>6211</b> DC 12V, PoE / Max. 7W @ DC 12V
	<b>6311</b> DC 12V, PoE / Max. 9W @ DC 12V
ENVIRONMENT	
<b>Operation Temperature</b>	DC12V : -20°C ~ 55°C (-4°F ~ 131°F) PoE : -20°C ~ 55°C (-4°F ~ 131°F)
<b>Operating Humidity</b>	Up to 85% RH, Non-condensing
MECHANICAL	
<b>Material</b>	Aluminum Die Casting
<b>Color</b>	White
<b>Dimension</b>	86(W) x 83.5(H) x 287(D)mm (with bracket)
<b>Weight (Approx)</b>	<b>6211</b> 860g (1.90 lbs)
	<b>6311</b> 870g (1.92 lbs)

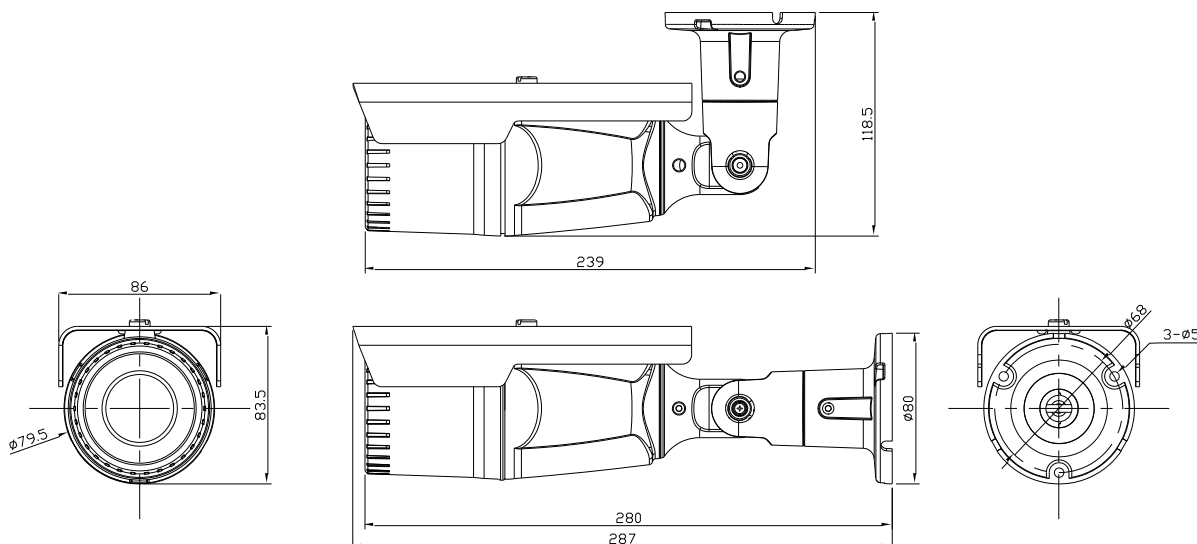
VIDEO CONTENT ANALYSIS (Included as a Standard)	
<b>High Performance</b>	Advanced tracking algorithm and low false alarm rate
<b>Easy to Use</b>	Intuitive web browser interface
<b>Detection Zones and Rules</b>	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
<b>On-screen Display</b>	Real-time display of tracking data and events via activeX plug-in in IE browser
<b>Burnt in Annotation</b>	Allows the VCA annotation to be burnt into the raw video stream for displaying on third party application
<b>Tamper Detection</b>	Recognize camera tampering via VCA detection (defocusing, lens covering, camera moving)
VIDEO CONTENT ANALYSIS (Option extension License)	
<b>Available License</b>	VCAdetectIP, VCAcountIP, VCAadvancedIP, VCAprofessionalIP
<b>VCA Detection Filters</b>	Objekt: Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
<b>VCA Features</b>	<ul style="list-style-type: none"> <li>- Up to 20 Onscreen Counter Displays</li> <li>- Counting-Line for accuracy people and vehicle counting with local database and reporting service</li> <li>- VCA calibration via 3D tools for right object size detection</li> <li>- Several definable object class to include into the detection rules for the VCA alarm</li> <li>- 10 colors in total to distinguish objects by color</li> <li>- People tracking mode to tracks individuals separately among overlapped multiple people</li> <li>- Heatmap Report shows relative crowd density of the 24 hour period (criterion: midnight)</li> </ul>
<b>Logical Rules</b>	Extension of alarm rules using logical operators (AND, OR..) for the VCA detection filters of created zones / lines
<b>Info VCA</b>	Details regarding supported VCA filters and features of the different extension licenses find on <a href="#">RIVA Product Overview</a> document

## Dimension RC6702HD

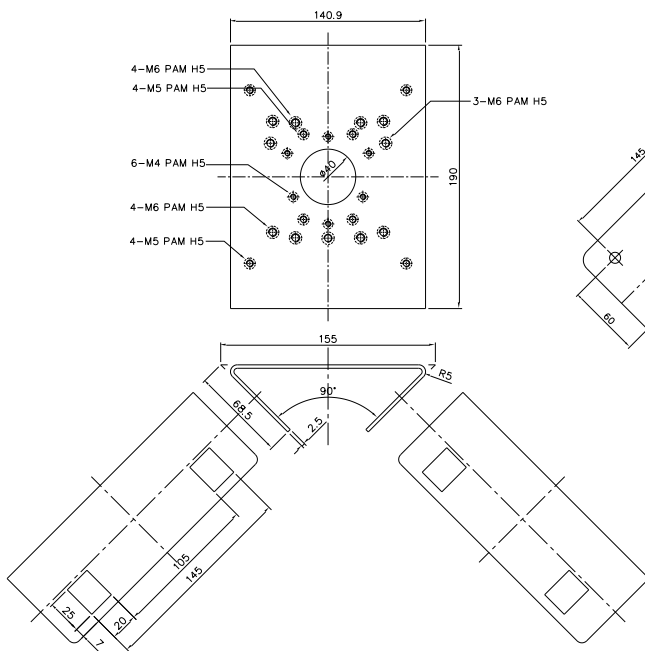
(Unit: mm)

\* 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

\*\* Only available with RC6702HD-6311

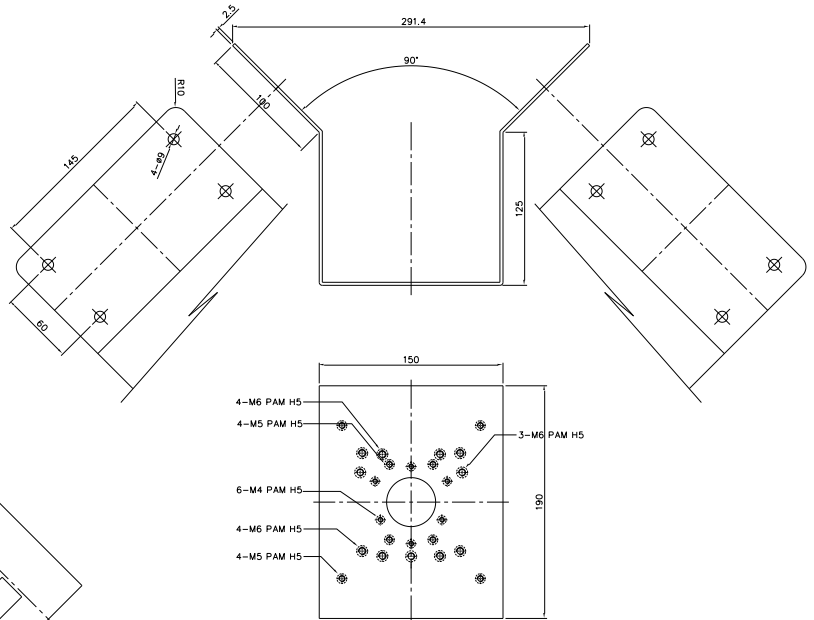


## Accessories



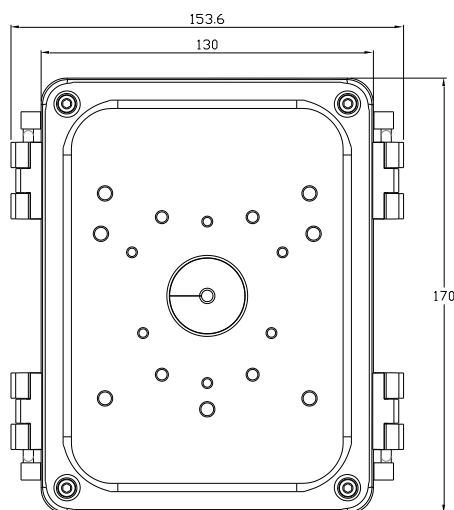
### Pole Mount Adaptor

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 corner the adaptor PMA-6000 or CMA-6000 can use alternative.