RC6602HD-5311

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

- Full HD1080p @ 30fps
- Remote Zoom/Focus Control (One Click AF)
- Video Compression: H.264, MJPEG
- True Day/Night and WDR
- Dual Video Stream, Two-way Audio with G.711
- 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
- Standard fitted with VCA Detect License

Specifications

CAMERA

Image Sensor	1/2.7" 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	Color: 0.5 lux, F1.2 - 0.01 lux (DSS ON) BW: 0.00 lux (IR LED On)
Lens	3.0 – 9.0mm Zoom, F1.2 - F2.1, Motorized Focus & Zoom Control – One Click Focus Function
Lens Angle of View	Wide approx: 93.0°(H) x 68.4°(V) Tele approx: 31.7°(H) x 23.8°(V)
Shutter Time	1/10.000s 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	Digital WDR (configurable levels 1-16)
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)

IR ILLUMINATOR

IR LED	34x IR LED (850nm)
IR Working Distance	Approx 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 **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)
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)

AUDIO

Audio input / output	Line-In: 0.178Vp-p, 10KΩ Lineout: 2.26Vp-p, 10KΩ
Compression Format	G.711-uLaw

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

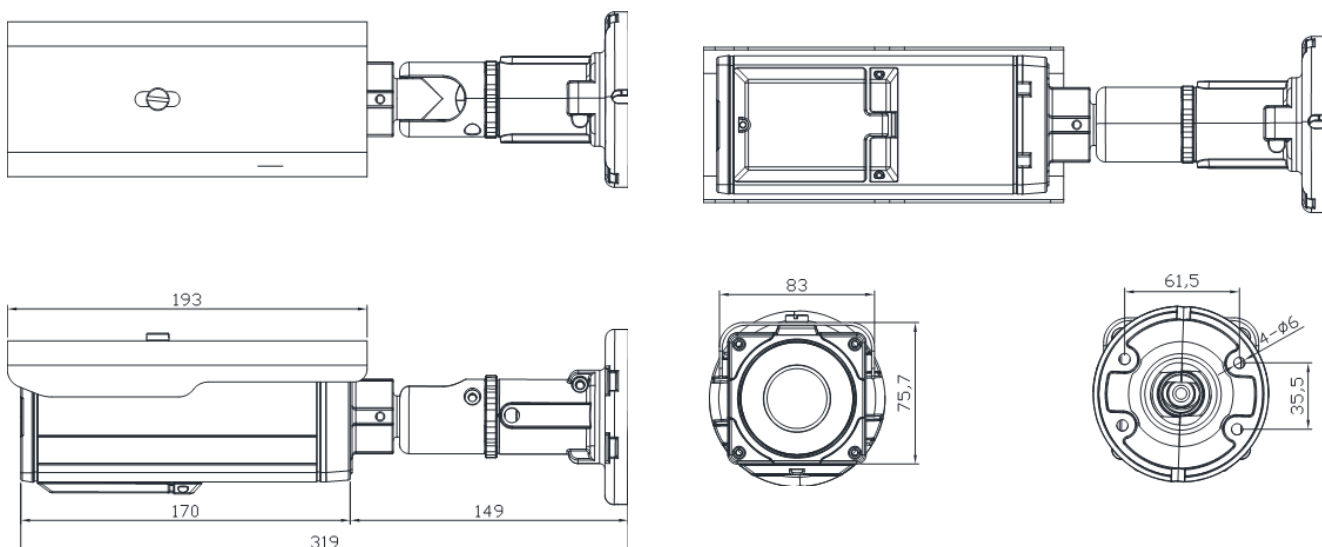|	
I/O Terminal	1x Alarm In - max 50mA@5VDC, TTL 1x Alarm Out - max 50mA@24VDC, TTL
Edge Storage	Via micro SD/SDHC card (up to 32GB) for continuous or event recording. Search interface for event files, playback and download (card not included).
Application Programming Interface	Software Development Kit (SDK) available ONVIF compliant
Event Metadata Streaming RTSP/RTP	Video Motion Detection(MD), Video Content Analytics(VCA)

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ELECTRICAL	
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)
Event Actions	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
Approvals	FCC, CE, KC,UL, IP66, RoHs

ELECTRICAL	
Power Source	12V DC / PoE (IEEE 802.3af)
Power Consumption	Approx 14.88W @ DC 12V

ENVIROMENT	
Fan / Heater	Fan / Heater Unit (Heater only with 12V-DC power)
Operation Temperature	DC12V : -40˚C ~ 50˚C (-40˚F ~ 122˚F) PoE : -20˚C ~ 50˚C (-4˚F ~ 122˚F) Cold Start DC12V : -15˚C (5˚F) / PoE: 0 ˚C (32˚F)
Operating Humidity	Up to 85% RH, Non-condensing

MECHANICAL	
Material	Aluminum Die Casting
Color	White
Dimension	83(W) x 82(H) x 194(D) mm without bracket
Weight (Approx)	1.5kg (3.30lbs)

VCA DETECT LICENSE (Included as Standard)	
Detection Filters	Object Classification, Dwell, Speed, Direction
VCA Calibration	Camera scene adjustment via 3-D grid and mimics for right VCA object size detection

* If VCA is activate, frame rate is limit to max. 15fps@1080p. Limitations are based on V.1.9.0 firmware release and could be changed without notice
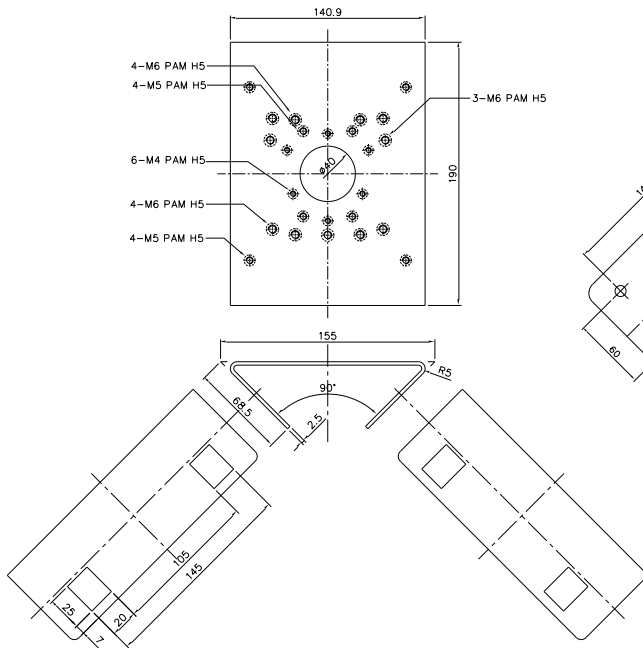
VIDEO CONTENT ANALYSIS (Included as Standard)	
High Performance	Advanced tracking algorithm and low false alarm rate
Easy to Use	Intuitive web browser interface
Detection Zones and Rules	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
On-screen Display	Real-time display 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)

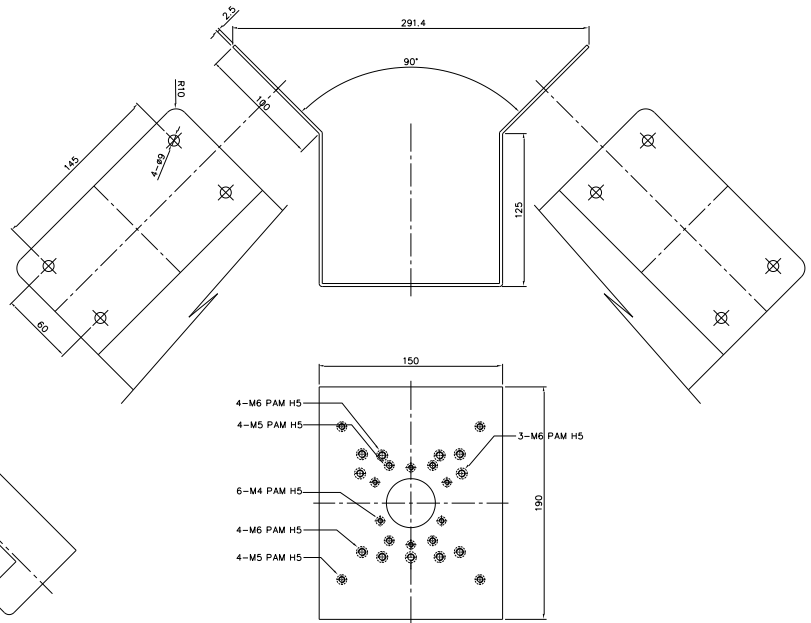| VIDEO CONTENT ANALYSIS (Option extension License)	
Available License	VCAdetectIP, VCAcountIP, VCAsurveillanceIP, VCAadvancedIP, VCAprofessionalIP
VCA Detection Filters	Objekt: Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
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 - 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 RIVA Product Overview document

Dimension

(Unit: mm)

RIVA
... more than standard

Accessories

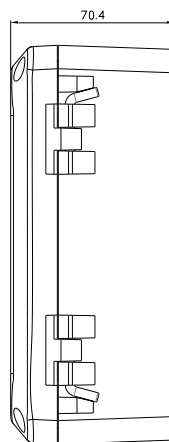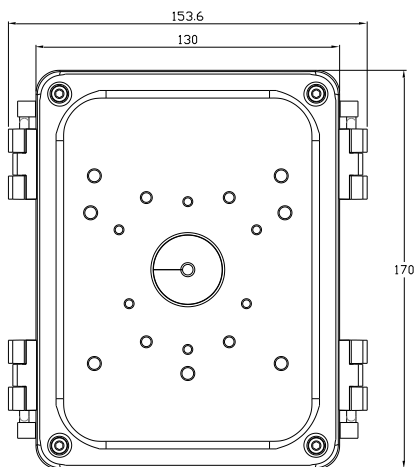**Pole Mount Adaptor**
Model: PMA-U100
Weight: 2,28Kg (5.0lbs)

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