RC302HD-5117

H.264 Full HD Indoor Ultra Compact IP Dome Camera

- Full HD1080p @ 30fps
- Video Compression: H.264, MJPEG
- Digital Day/Night and WDR
- Video Dual Stream
- MicroSD/SDHC Memory Card Slot
- **ONVIF** Support, PoE (IEEE 802.3af)
- Embedded VCA Technology Video Analytics
- Burnt-in Text, Video Motion Detection
- Vandal Proof IK-09

Specifications

CAMERA

Image Sensor	1/2.7" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
AGC Control	Auto, adjustable amplification factor
Minimum Illumination	Color: 1.0 Lux, F2.0 – 0.01 Lux (DSS ON) B/W : 0.001Lux (DSS ON)
Lens	2.8mm, fixed Iris, F2.0
Lens Angle of View	Horizontal: Approx. 110° Vertical: Approx. 81.5°
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	Digital software related Day & Night switching
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)
Focus Assistant	Video display to simplify the focus point adjustment

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, bandwidth limitation (CVBR/CBR) **MJPEG:** Controllable frame rate and image resolution, JPEG quality
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*
Video Stabilization	Supported for First/Second Stream and Snapshot
Defogging	Selectable Defogging level (low, medium, high)

VIDEO

Motion Detection	Max. 8 zones with independent configuration of detection sensitivity and target object size
Burnt-in Text	Free positioning of display for time/ data/ name (name up to 48 signs)
Privacy Mask Zones	4 flexible configurable region

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	Video Motion Detection, Tamper Detection, Video Content Analytics(VCA), Network Loss/Detect, Network Setting Change, Time (Recurrene / Schedule)
Event Actions	Notification service via TCP/IP, HTTP, multicast or email text messages with snapshot, file upload on external FTP server, local SD memory card recording
Approvals	FCC, CE, KC, IK-09, RoHs

ELECTRICAL

Power Source	PoE (IEEE 802.3af)
Power Consumption	(Approx) 2.4W @ PoE

ENVIROMENT

Operation Temperature	PoE : 0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	Up to 85% RH, Non-condensing

www.rivatech.de
Specification subject to change without notice
Version August 2015

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MECHANICAL

Material	Aluminum Die-Casting,　Anti-vandal bubble (PC)
Color	White
Dimension	Housing: 105 (Φ) x 56 (H) mm, Dome:　　55 (Φ) mm
Weight (Approx)	270g

VIDEO CONTENT ANALYSIS (Included as Standard)

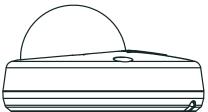|	
High Performance	Advanced tracking algorithm and low false alarm rate
Easy to Use	Intuitive web browser interface
Detection Zones and Rules	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
On-screen Display	Real-time display of tracking data and events via activeX plug-in 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)

* 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 (Option extension License)

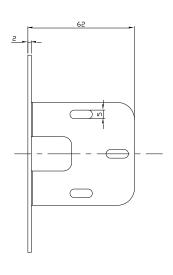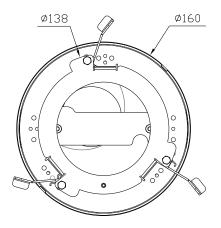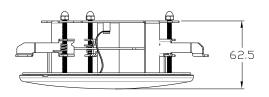|	
Available License	VCAdetectIP, VCAcountIP, VCAsurveillanceIP, VCAadvancedIP, VCAprofessionalIP
VCA Detection Filters	**Object:** Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
VCA Features	- Up to 20 Onscreen Counter 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 RIVA Product Overview document

Dimension

(Unit: mm)

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Accessories
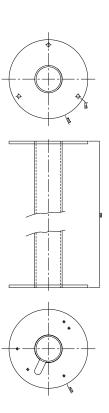
Wall Mount Bracket
WMB-3200
Weight: 226g (0.5lb)

137,5

Ø115

62

60

2

5

Flush Mount Bracket
Model: FMB-300
Weight: 385g (0.85lbs)

Ø138

Ø160

62.5

Ceiling Mount Bracket
Model: CMB-3200
Weight: 310g (0.7lbs)