

# RC 3102 HD – 5211 / 5311

## H.264 Full HD Indoor Fixed IP Dome Camera

- Full HD1080p @ 30fps
- 5311 Model fit with Remote Zoom/Focus Control (One Click AF)
- Video Compression: H.264, MJPEG
- True Day/Night and WDR
- Video Dual Stream, Two-way Audio with G.711
- MicroSD/SDHC Memory Card Slot
- ONVIF Support, Comprehensive SDK Support
- Embedded VCA Technology Video Analytics
- Power over Ethernet (IEEE 802.3af)



## Specifications

CAMERA	
Model	<b>RC3102HD-5211:</b> Vario focal lens <b>RC3102HD-5311:</b> Motorized Focus & Zoom lens
Image Sensor	1/2.7" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
AGC Control	Auto
Minimum Illumination	Color: 0.5 lux, F1.2 - B/W : 0.001Lux (DSS ON)
Lens /-5211 Model	Manual 3.0 – 9.0mm Vari-Focal, F1.2 - 360, DC Auto Iris
Lens /-5311 Model	3.0 – 9.0mm Vari-Focal, F1.2-360, DC Auto Iris 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	1/2000s to 1/2s
Day & Night Switching	Auto/Manual (both switching level adjustable 1 ~ 64) IR Cut Filter removal
Image Settings	Configurable brightness, contrast, saturation, sharpness Flip & mirror function
2D-DNR	Configurable digital noise reduction 1 ~ 16
Wide Dynamic Range	Digital WDR**
Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV
White Balance	ATW1 / ATW2 / Push / Manual
Flicker Control	Normal, 50Hz, 60Hz
DSS (Sens-up)	Configurable levels 2X ~ 16X
Backlight Compensation	BLC On/Off (possible to designate zone)
VIDEO	
Video Compression	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)
Video Streaming	Dual Stream, Configurable streams in H.264, MJPEG <b>H.264:</b> Controllable frame rate and image resolution, bandwidth(VBR/CBR) <b>MJPEG:</b> Controllable frame rate and image resolution, JPEG quality
Resolutions	1920x1080, 1280x720, 800x450, 480x270, 320x180
Frame Rate	H.264: Configurable up to max 30fps in all

AUDIO	
Audio input / output	Line-In: 1.43Vp-p, 39 KΩ Line-Out: 46mW Power, 16 Ω
Compression Format	G.711-uLaw
NETWORK	
Ethernet Standard	10 / 100 Base-T
Protocol	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1
Users Connection	Live viewing for up to 10 clients
Security	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	1x MicroSD/MicroSDHC card slot (card not included) (Recommend Class 4 and higher for HD recording)
Application Programming Interface	Software Development Kit (SDK) available ONVIF compliant (release V1.4.0.x or higher)
Approvals	FCC, CE, KC, RoHs
ELECTRICAL	
Power Source	12V DC / PoE (IEEE 802.3af)
Power Consumption (Approx)	RC3102HD-5211: 4.68W @ DC 12V RC3102HD-5311: 4.92W @ DC 12V
ENVIRONMENT	
Operation Temperature	PoE / DC12V : 0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity	Up to 85% RH, Non-condensing
MECHANICAL	
Material	Plastic (ABS)
Color	White
Dimension	Housing: 144( Φ ) x 121(H) mm, Dome: 100( Φ ) mm
Weight (Approx)	520g

\* When VCA is activate, frame rate is limit to max15fps@1080p.  
Limitations are based on V.1.5.0 firmware release and could be changed without notice.

\*\* Function support in V1.5.0 firmware.

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	resolution* MJPEG: Configurable up to max 30fps in all resolution*
<b>Motion Detection</b>	Max. 8 zones with independent configuration of detection sensitivity and target object size
<b>Burnt-in Text</b>	Time / Date / Name (Name up to 48 characters), flexible display position configuration
<b>Privacy Mask Zones</b>	4 flexible configurable regions* *
<b>Analogue Video</b>	NTSC/PAL (3 minutes, only for installation purpose)

## VIDEO CONTENT ANALYSIS (Included as 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
<b>Tamper Detection</b>	Recognize camera tampering via VCA detection
<b>Event Actions</b>	Notification service via TCP/IP, HTTP, multic or email text messages with snapshot, DD-contact, file upload on FTP server, local SD memory card recording* *

## VIDEO CONTENT ANALYSIS (Option extension License)

<b>Available License</b>	VCAcountIP, VCAaccessIP, VCAsurveillancelP, VCAadvancedIP
<b>VCA Detection Filters</b>	Enter, Exit, Appear, Disappear, Stop, Direction Dwell, Speed, Tailgating, Object Classification,
<b>VCA Features</b>	- Up to 20 Onscreen Counter Displays, - Counting-Line for accuracy people and vehicle counting, - VCA Event Metadata Streaming (RTSP/RTP), VCA calibration for right object size detection
<b>Info VCA</b>	Details regarding supported VCA filters and features of the different extension licenses find on 'Filter Matrix VCA License' document

## ACCESSORIES

<b>Mounting Adapter</b>	FMB-3102 - Flush Mount Bracket WMB-3000 - Wall Mount Bracket CMB-3000 - Ceiling Mount Bracket PMA-3000 - Pole Mount Adapter CMA-3000 - Corner Mount Adapter
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## Dimension

(Unit: mm)

