

RC4202 / 4602 HD – 6416 – 20



H.264 Indoor / Outdoor Full HD Speed

Dome IP Camera

- Optical 20X, Digital 8X Selectable
- Full Frame at HD1080p, Two-way Audio
- Video Compression: H.264, MJPEG (Dual Stream)
- Day & Night (IR Cut Filter), DSS and WDR
- ONVIF Support, PoE+ (IEEE802.3at)
- Embedded Intelligent Video Analytic
- PTZ Object Autotracking, fit with VCAfollow license
- Leading edge Pan/Tilt technology delivers max 600°/s, min 0.01°/s and ±0.1° preset accuracy
- Controlling Pan/Tilt Speed While Zooming



Specifications

CAMERA		DOME	
Model	RC4202HD-6416-20: Indoor Version, 20x RC4602HD-6416-20: Outdoor Version, 20x	Privacy Zone Mask	8 Configurable regions to hidden areas or objects. Dynamic display position and size to cover continually same area independent from actual P/T/Z position.
Image Sensor	1/3" 1080p CMOS	Mouse operated PTZ Control	Mouse selected area or object will display automatically in middle of the image. Automatic control of zoom ratio and pan/tilt function to provide best view.
Effective Pixels	1920 X 1080	Auto Flip	On / Off – Automatic (180°) flip of the camera head if tracked object passing directly beneath unit.
Minimum Illumination	Color: 1.5 Lux (50 IRE) / 0.02Lux (DSS) B/W: 0.1 Lux (50 IRE) / 0.001Lux (DSS)	VIDEO	
Lens	Optical	Video Compression	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)
	Digital	Video Streaming	Dual Stream, Independent Configurable H.264: Controllable frame rate and image resolution, video stream bandwidth limitation (VBR/CBR) MJPEG: Controllable frame rate and image resolution, JPEG quality
Angle of View	Wide approx: 55.56°(H) x 43.32°(V) Tele approx: 3.10°(H) x 2.34°(V)	Resolutions	1920x1080, 1280x720, 1120x630, 960x540, 800x450, 640x360, 480x270, 320x180
Shutter Time	1/10,000 s to 1/2s	Frame Rate	H.264: Configurable up to max 30fps in all resolution* MJPEG: Configurable up to max 30fps in all resolution*
Shutter Exposure Modes	Automatic or Flicker-Control - 50/60Hz	Motion Detection	Max. 8 zones with independent configuration of detection sensitivity and target object size
Day & Night Switching	Auto/Manual Removable IR Cut Filter	Burnt-in Text	Time / Date / Name (Name up to 48 characters), flexible display position
Image Settings	Configurable brightness, contrast, saturation, sharpness, vertical flip & horizontal mirror function	AUDIO	
2D-DNR	Configurable digital noise reduction 1 ~ 16	Input /Output	Line-In 0.178Vp-p, 10KΩ Line-Out: 2.26Vp-p, 10KΩ
Wide Dynamic Range	Support WDR	Two-way Audio	Supported
Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV	Compression Format	G.711
White Balance	ATW / Indoor / Outdoor / Manual	NETWORK	
DSS (Sens-up)	Configurable digital slow shutter 2X ~ 32X	Ethernet Standard	10 / 100 Base-T
BLC	Back Light Compensation On/Off	Protocol	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1
Analog Video Output	Composite Signal PAL / NTSC	Users Connection	Live viewing for up to 10 clients
PAN / TILT		Security	Multi-level access with password protection
Pan Rotation Angle	360° Endless Rotation	GENERAL	
Pan Speed	Manual	I/O Terminal	4x Alarm In - max 50mA@5VDC, TTL 2x Alarm Out – max. 1A@30VDC Relay Rating
	Preset	Serial Port	RS-485
Tilt Rotation Angle	-5° ~ 185°	Edge Storage	1x Mirco SD/SDHC card slot (card not included) (Recommend Class 6 and higher for HD recording)
Tilt Speed	Manual	Application Programming Interface	Software Development Kit (SDK) available ONVIF compliant (release V1.4.0.x or higher)
	Preset	ONVIF	Version: 2.04 (Support Profile S)
System Accuracy	Max. ± 0.1°(Preset Accuracy) , 0.002° (Resolution)	Approvals	FCC, CE, KC, RoHs (RC4602: IP66, IK10)
Manual Lens Zoom Speed	3.3 ~ 7.4 sec (1x to 20x)		
Preset Lens Zoom Speed	3.3 sec (1x to 20x)		
DOME			
Preset	255 positions with 15 character labels available for each position with different speed steps		
Guard Tour	Max 6 Groups (Each one consisting up to 64 steps)		
Auto Run	Start of programmed Auto Run Function after elapsing setup time for non PTZ operation Go to: Home Position or Preset Number (1-255); Start: Tour (1-6) or Auto Panning		

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ELECTRICAL		
Power Source		24 VAC 60/50Hz – PoE+ (802.3at)
Power Consumption (Approx)		RC4202 : Max. 18W@AC24V RC4602 : Max. 44W@AC24V (with heating)
ENVIROMENT		
Fan / Heater		RC4202: Fan RC4602: Fan and heater (heater function only with 24V-AC power)
Operating Temperature		RC4202: Operating Range AC24V : 0°C ~ 50°C (32°F ~ 122°F) PoE+ : 0°C ~ 50°C (32°F ~ 122°F) RC4602: Operating Range AC24V : -40°C ~ 50°C (-40°F ~ 122°F) PoE+ : 0°C ~ 50°C (32°F ~ 122°F)
Operating Humidity		Up to 85% RH (Non-condensing)
MECHANICAL		
Material	RC4202	ABS
	RC4602	Aluminum , Anti-vandal bubble (Poly Carbonate)
Color		Ivory
Dimension		RC4202: 180 (Φ) x 240 (H) mm RC4602: 232 (Φ) x 397 (H) mm
Weight (Approx)		RC4202: 2.1kg (4.64 lbs) RC4602: 4.6 kg (10.14 lbs)

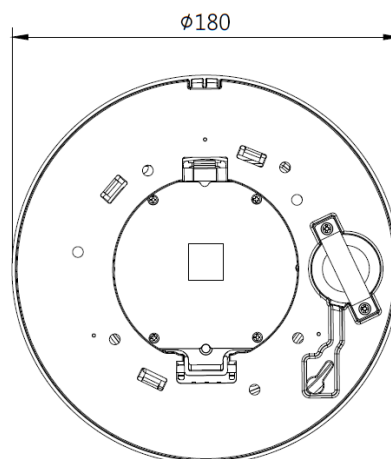
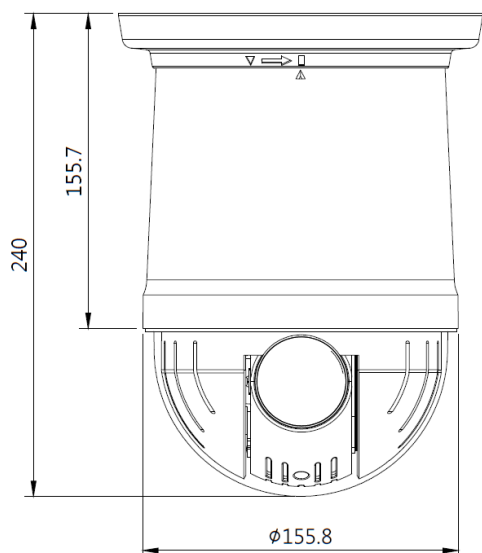
* If VCA is activate, frame rate is limit to max15fps@1080p. Limitations are based on V.1.7.0 firmware release and could be changed without notice

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)
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
VCAfollowIP License	Dome standard fit with VCAfollow license for basic PTZ object auto tracking feature
VIDEO CONTENT ANALYSIS (Option extension License)	
Available License	VCAdetectIP, VCAcountIP, VCAsurveillanceIP, VCAadvancedIP, VCAtrackIP
VCA Detection Filters	Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Tailgating, 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 Event Metadata Streaming (RTSP/RTP) - VCA calibration via 3D tools for right object size detection - Object classification allow to design different Object classes to include or exclude in VCA detection rule - Via VCAtrack license extended PTZ object auto tracking with VCAsurveillance filter set for rule based tracking
VCA Preset	Storage of 16 VCA Presets: Different VCA zone (line) and VCA filter setup can be assigned to the separate preset position.
Info VCA	Details regarding supported VCA filters and features of the different extension licenses find on 'Filter Matrix VCA License' document

Dimension

(unit: mm)

RC4202HD / Indoor

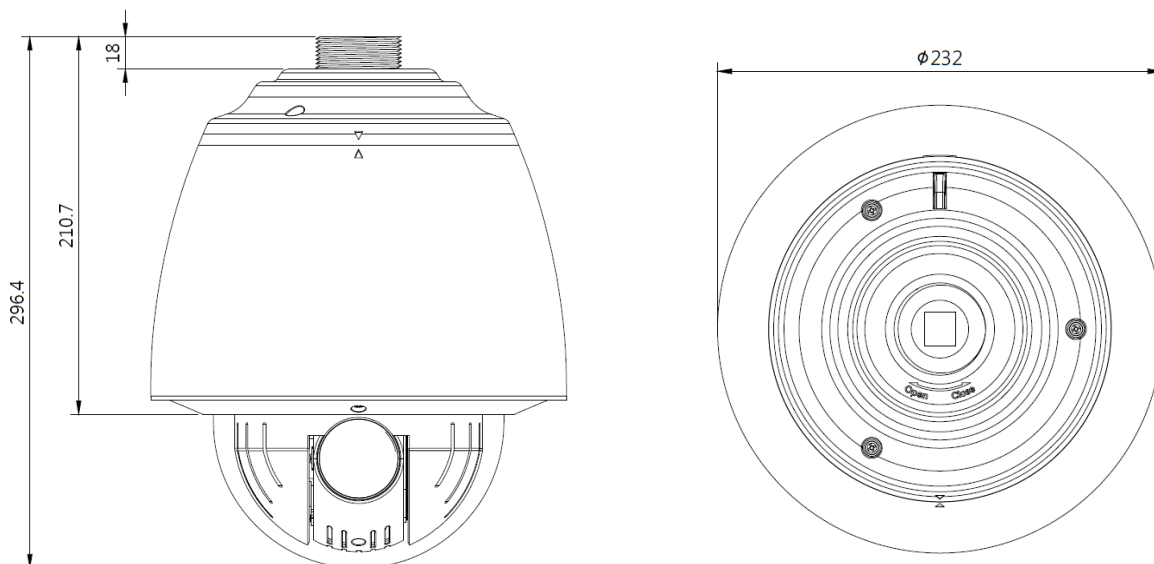


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Dimension

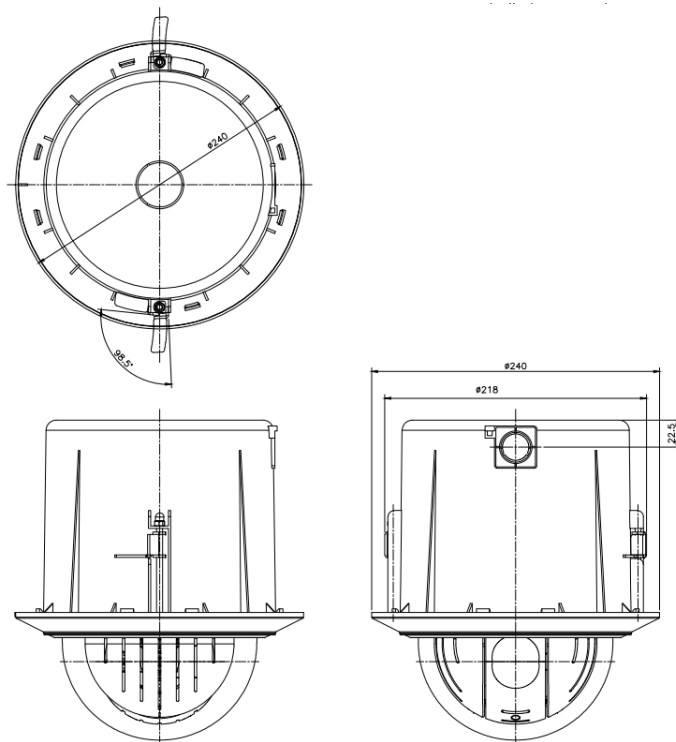
RC4602HD / Outdoor

(unit: mm)



RC4202HD / Indoor

Flush Mount Bracket – FMB-4200

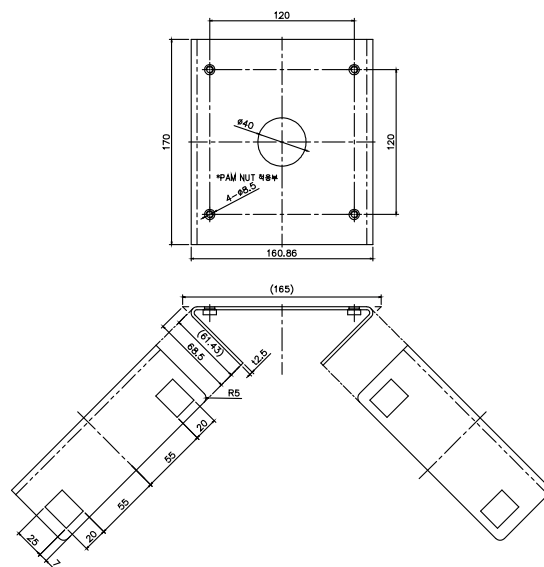
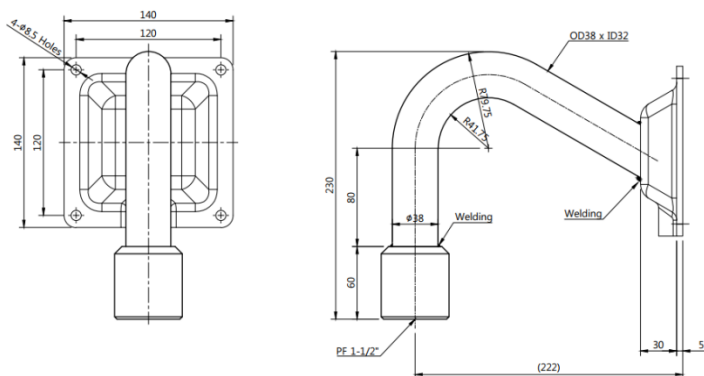


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RC4602HD / Outdoor

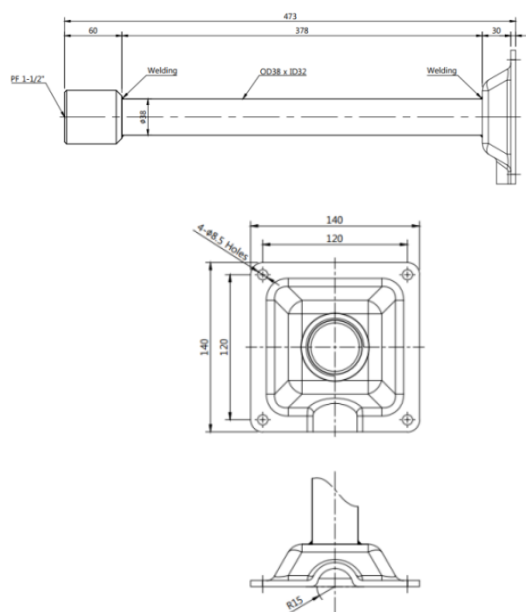
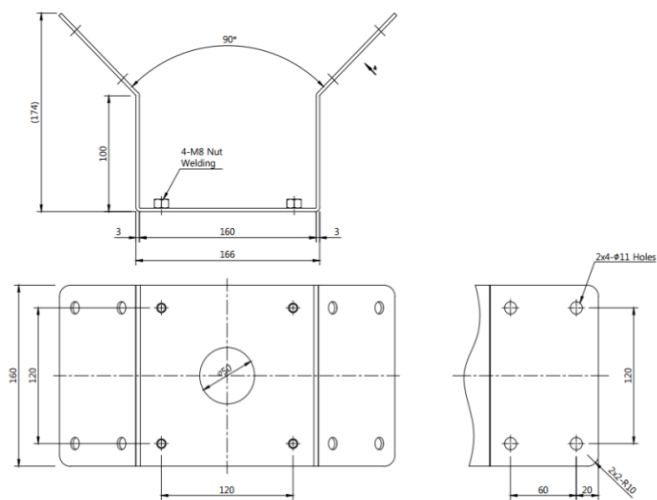
Wall Mount Bracket – WMB-4600

Wall Mount Bracket – WMB-4600



Corner Mount Adapter – CMA-4600

Ceiling Mount Bracket – CMB-4600



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