Technical Specifications

Full HD Compact IR Dome IP Camera
FOR INTERNAL/EXTERNAL APPLICATIONS

- Full HD 1080p 30fps
- H.264 and MJPEG compression
- True Day/Night and WDR
- Built-in IR illuminator with 10m viewing distance
- Embedded VCA Technology Video Analytics
- MicroSD/SDHC memory card slot
- Power over Ethernet (IEEE 802.3af)

ONVIF S

CAMERA	
Model	VCA362IR
Image Sensor	SONY EXMOR 1/2.9" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
Auto Gain Control	Auto
Auto IRIS (DC)	-
Minimum Illumination	Color: 0.5 Lux / B/W: 0 Lux (IR LED On)
Lens	3.6mm, F2.0
Angle of View	Horizontal: Approx. 87°; Vertical: Approx. 47°
Shutter Time	1/10,000s to 1/2s
Day & Night	True Day & Night (Removable IR-cut filter)
Wide Dynamic Range	Digital WDR
Focus Assist	Supported

IR ILLUMINATOR	
IR LED	IR LED x 8 (850nm)
IR working distance	10m (30IRE)
SMART IR	Supported (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, Configurable streams in H.264, MJPEG H.264: Controllable frame rate, bandwidth(VBR/CBR) MJPEG: Controllable frame rate, JPEG quality
Resolutions	16:9 mode	1920 x 1080, 1280 x 720, 1120 x 630, 960 x 540, 800 x 450, 640 x 360, 480 x 270, 320 x 180
	4:3 mode	SXGA(1280x960), XGA(1024x768), SVGA(800x600), PAL(720x576), NTSC(720x480), VGA(620x480), QVGA(320x240)
Frame Rate		H.264: Max 30fps in all resolution MJPEG: Max 30fps in all resolution
Image Settings		Configurable brightness, contrast, saturation, sharpness
Image Orientation		Flip / Mirror / Corridor Mode(-90°, +90°)
Noise Filter		Supported (0 ~ 3)
Defogging		Supported
Smart Bitrate Control		Supported (It works in VBR mode)
Exposure Adjustment		+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV
White Balance		ATW1 / ATW2 / Push / Manual
Back Light Compensation		On(possible to designate zone) / Off
Flicker Control		Normal, 50Hz, 60Hz
DSS (Sens-up)		2X ~ 16X
Video Stabilization		Supported
Burnt-in Text		Time stamp and text caption overlay
Privacy Mask		4 configurable regions
Analogue Output		-

| AUDIO	
Audio Streaming	-
Audio Compression	-
Audio input / output	-

NETWORK	
Ethernet Standard	10 / 100 Base-T
IP	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
Security	HTTPS(SSL), IP Filtering, Multi-level access with password protection
Users	Live viewing for up to 10 clients

INTEGRATION	
Application Programming Interface	Software Development Kit(SDK) available
ONVIF Compliance	Profile S, Profile G
Event Sources	Video Motion Detection; Face Detection, Tamper Detection; Video Content Analytics(VCA); Network Loss/Detect; Network Setting Change; Time(Recurrence/Schedule); Storage Error
Event Actions	File upload: E-mail, FTP Notification: E-mail, FTP, HTTP, TCP Recording Event Log Saving
Event Metadata Streaming (RTSP/RTP)	Video Motion Detection(MD); Video Content Analytics(VCA)

GENERAL	
Material	Aluminum Die-Casting; Ivory
External I/O Terminals	-
Language on webpage	Korean, English, Chinese
Power Source / Consumption	DC 12V, PoE / 4.2W @ DC 12V
Operating conditions	Humidity up to 85% RH (non-condensing) -20°C ~ 50°C
Approvals	FCC, CE, KC, IP66, IK10
Weight	400g (0.9lb)

EDGE STORAGE	
Storage	1x MircoSD/MicroSDHC memory card slot (card not included)*
Recording Types	Continuous Recording or Event Recording
Continuous Recording	Instant recording; Search & Download
Event Recording	Search of Event Logs; Playback; Download

VIDEO ANALYTICS	
Analytics Engine	VCA Technology's advanced tracking algorithm with rich library of detection behaviors
Detection Zones and Rules	40 zones (Multi-segment Polygons and Lines) in total 60 rules in total
Tamper Detection	Supported
Auto Tracking	-
VCA Preset	-
Detection Behavior	Enter, Exit, Appear, Disappear, Stop, Dwell, Direction, Tailgating, Color Filter
Logical Rules	Extends standard rules to allow various combinations of the inputs

*Class4 or higher SD cards are recommended for HD recordings.

Technical Specifications

3D Behavior	Perspective Corrected Size and Speed Filters
Object Classification	Configured Max./Min. object sizes and Max./Min. speeds
People Tracking	Tracks individuals separately among overlapped multiple people
Counting Line	High accuracy people and vehicle counting

Counting	20 counters in total
Counter Report	Generates counter reports based on the counter database
Heatmap Report	Shows relative crowd density of the 24 hour period (criterion: midnight)
Meta Data	Plain XML Format

Dimensions

ø115,9
ø70
74,5
37,5

96
2-ø4,3
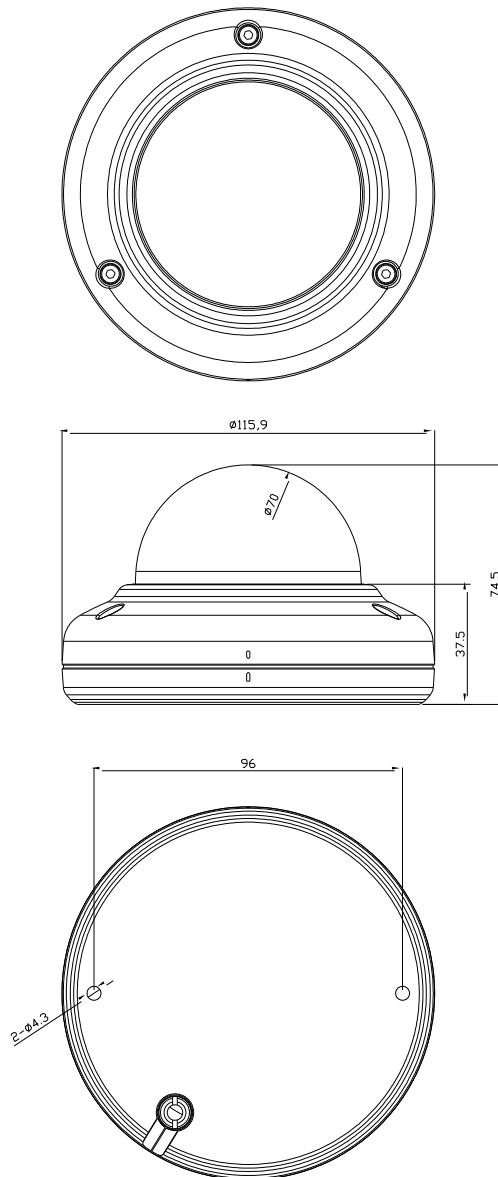
(Unit: mm)

Accessories

NPT 1-1/4"

60.5

ø125
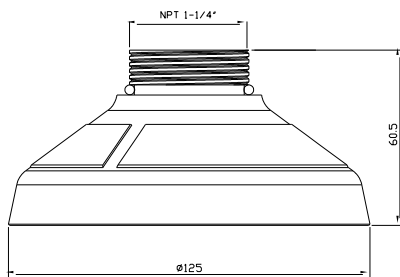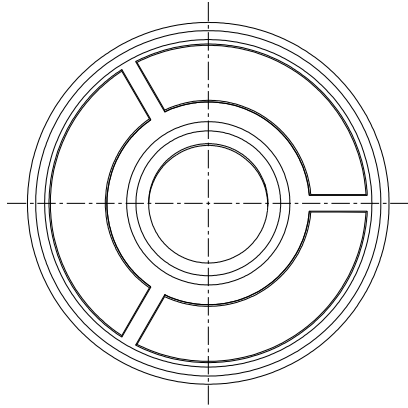
Pendant Mount Cap

Model: PMC-362
Weight: 200g(0.4lb)

360

100
80

80
100

(180)

(215)
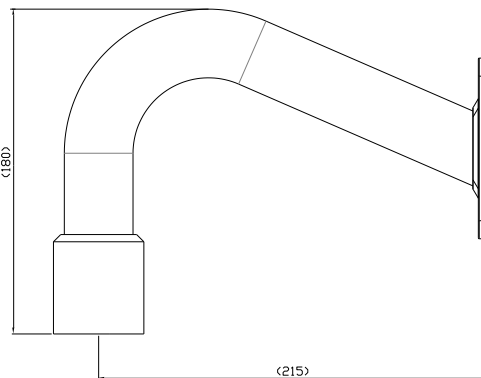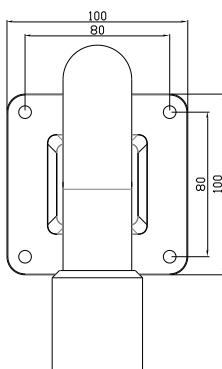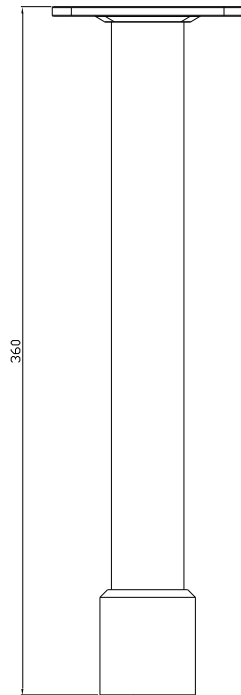
Wall Mount Bracket

Model: WMB-3000P
Weight: 430g(0.95lb)

100
80

100
80

4-ø7
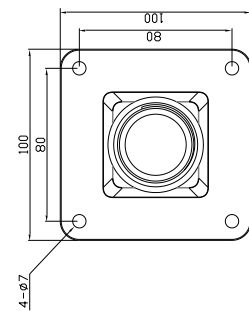
Ceiling Mount Bracket

Model: CMB-3000P
Weight: 437g(1.0lb)

Accessories
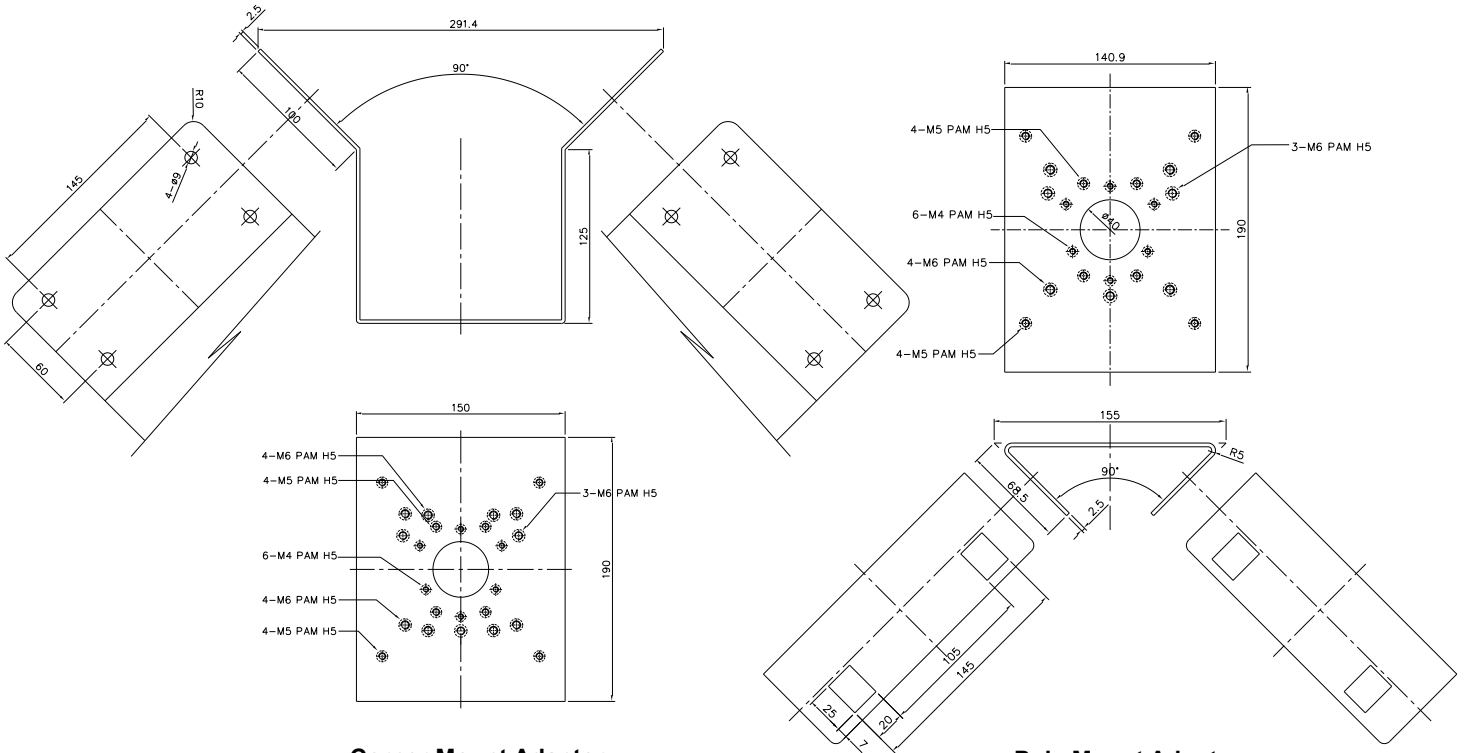
Corner Mount Adaptor

Model: CMA-U100
Weight: 2,283g(5.0lb)

Pole Mount Adaptor

Model: PMA-U100
Weight: 946g(2.1lb)
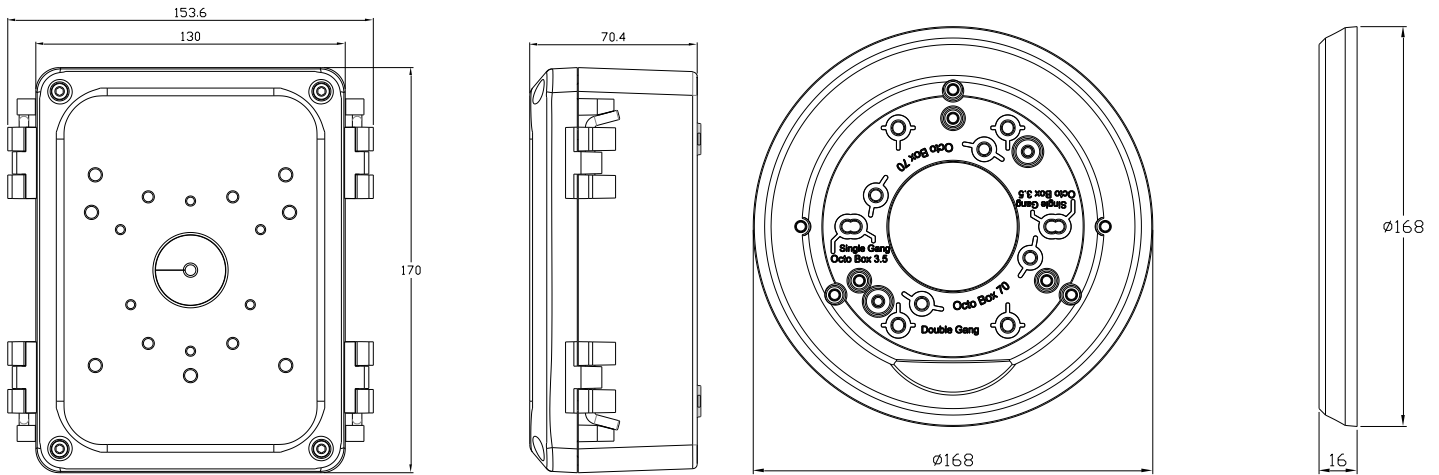
Junction Box Kit

Model: JBK-U100
Weight: 1,011.5g(2.2lb)

Gang Box Adaptor

Model: GBA-3000
Weight: 91g(0.2lb)

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