



AVTRON

**MONARCH 1.3 MP**

**AM-EM1363-FMR3**

**1.3 MP 960P Fixed Lens iVA IP IR Bullet CAMERA**

**Superior Engineering Design & Sensational Image Quality**

## AM-EM1363-FMR3

### 1.3 MP 960P Fixed Lens iVA IP IR Bullet CAMERA

#### Features :

- 1/3" High Speed Processing ExMor CMOS Progressive Sensor
- More Than HD Resolution with 1280(H) x 960(V) at 30FPS Real Time Display
- Support Super Wide Dynamic Range & 3D Digital Noise Reduction to Night Vision Image Enhancement
- Built in iVA(iIntelligent Video Analysis) Function(Tripwire, Perimeter)
- Dual Compression Profile H.264/MJPEG, H.264 Profile Adjustable
- Selectable Triple or Dual or Single Streaming Combination For simultaneously Operation
- Triple Stream Support Up to Main(Record), Sub(Client & Network) & Third Stream(Mobile) Viewing
- True & Soft Day/Night Vision by Dual IR Cut Filter(ICR) for all 24/7 Surveillance mode
- ROI(Region Of Interest) Technology Can save more than 25% of bit rate so reduce the storage usage
- Supported Network Attached Storage(NAS) Devices
- Low illumination at Color Mode 0.05Lux & at Black&White Mode 0.01Lux & 0 Lux at IR On
- High Definition Fixed IRIS 6.0MM Mega Pixel Lens(4.0mm Optional)
- High intensity 36 IR LED support Night Vision up to 20 ~ 30M
- Smart IR Function Work when Object/Person is close to Camera it Control IR to get Clear Picture
- Software Compitability with iCRYS Series 256CH CMS Software & 150CH on Single Screen Viewing
- iCRYS Series CMS Supports 64CH HD720P/128CH D1 Recording & Paid version unlimited Channel Support
- P2P Secure Cloud Monitoring on IOS/Android Mobile Handset(Live/Playback/Audio and Control)
- Built in Uni/Multicast Streaming to support multiple User Logging at same time
- Wide Range Network Protocol IPv4/IPv6/Qos/ FTP/ SMTP/ UPnP/ RTSP/ RTP/ TCP/ UDP & Many More
- Flexible & Selectable Video Stream Control by VBR & CBR, Audio Compression G.711/726, ADPCM
- Adjustable Exposure Mode for Shutter, Gain, Brightness, White Balance, Smart De-Fog control
- Adjustable Light Compensation for WDR, Back light, High light Supression
- Adjustable Image Enhancement for Picture Mode, Operation Mode, Noise Reduction
- Wide Range White Balance Setup for Auto, Manual, Warm,Natural, Lock, Day & Many More
- Adjustable 4 Zone Privacy Masking selectable in multiple Color, OSD Naming & Position
- ONVIF S Profile Compliance with V2.3, Support Email-Notification, FTP Upload
- Easy, Fast response & User Friendly Graphical User Interface, Support Advanced Encryption Secure access
- Multi User Support with Software Access Level Control with Password Protection
- Multi Zone Areas Motion Detection with Adjustable Sensitivity Level
- Dual Powered Support by 12V DC & Power over Ethernet(PoE) with IEEE 802.3af Standard
- Built in Transient Voltage Suppression(TVS) up to 6000V & Lightning/Surge Protection up to 1000V
- Outdoor IP66 Waterproof Housing with 3 Axis Bracket Mount(Wall/Ceiling)



## Specifications :

Model No.	AM-EM1363-FMR3
<b>Camera Specification</b>	
Sensor Type	1/3" Progressive Scan ExMor CMOS sensor
Effective Pixels	1280(H) x 960(V)
Lux Level(illumination)	Color 0.05 Lux @(F1.2, AGC ON), B/W 0.01Lux @(F1.2, AGC ON,) 0 Lux with IR
Shutter Speed Control	AUTO 1/2s ~ 1/10,000s
Gain Control(AGC)	Yes Level 1X ~ 128X adjustable
Lens	6.0MM Fixed Focus, 54° Coverage Angle
ICR	Dual Filter ICR
Smart IR	YES
IR Wave Length	850 ~ 880nm Infrared
IR Distance	up to 30 Meter
<b>On Screen Display</b>	
WDR	100dB, Auto/Manual Adjustable
Day/Night	Auto(Outside/Inside), Colour, B/W
Digital Noise Reduction	3DNR (Close/Ordinary/Expert)
Light Compensation	BLC Off/On, 1 Area, Customize design, HLC Off/On
Privacy Masking	On/Off (max.4 areas)
OSD Display	"16×16,32×32,24×24,48×48,64×64,Character Size5 Area Arrangement @ Time/Date/Week/Character/PTZ Angle "
White Balance	Auto/Manual/Lock/Nature/sunshine/Daylight/Warmlight
EIS(Image Stabilizer)	Yes
Smart Defog Control	Adjustable
Motion Detection	YES, Zones :396(22x18), Sensitivity level 1 ~ 100
Flip Control	By the IE Browser or CMS Software
Image Control	Brightness, Contrast, Sharpness, Saturation
<b>Compression/Video/Audio</b>	
Video Compression	H.264 / MJPEG
Video Resolution	1280 X 960/1280X720/640X480/704X576/704x288/352x288/172x144
Record & Live Frame rate	Selectable 1 ~ 25/30 fps

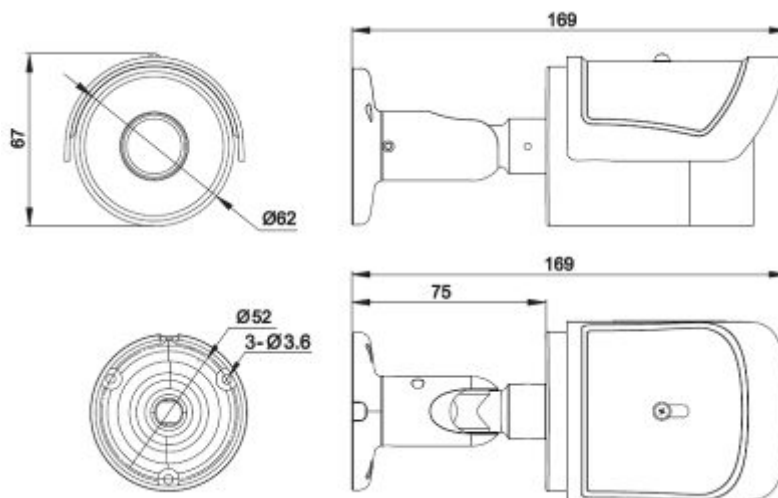
## Specifications :

Bit Rate control	VBR/CBR, I-Frame interval
Bit Rate	32Kbps ~ 16MBPS
Streaming	Main Streaming : 960P(1280x960)/720P(1280x720)/D1(704x576) Second Streaming : D1(704*576)/2CIF(704x288)/CIF(352x288)/QCIF(172x144) Third Stream : Pre Define CIF(352x288)/QCIF(172x144)
Audio Compression	G.711/G.726/ADPCM
Audio Bit Rate	8K~48Kbps
<b>Video Analysis</b>	
Intelligent Video Analysis	Built in Tripwire/Perimeter(Under 720P)
Perimeter Detection Mode	Intrusion, Enter, Exit
iVA Trigger	Record/Snapshot/PTZ Control/Link Out
Intelligent alarm	Motion Detection/Video Loss/Video Blind/Port Alarm/IP & MAC Conflict Detection
Alarm Trigger	On-screen alerts/PTZ Trigger/Link Out
Region of Interest(ROI)	4 Area
<b>Network &amp; Storage &amp; Memory</b>	
Network Storage	NAS
DDR RAM	1GB
LAN Connectivity	RJ-45 Ethernet & 10/100 Based-T
Protocol	IPv4/IPv6/HTTP/HTTPS/802.1x/Qos/FTP/SMTP/UPnP/SNMP/Multicast/D NS/ DDNS/NTP/RTSP/RTP/TCP/UDP/IGMP/ICMP/DHCP/PPPoE
DDNS	Yes
Network discovery	UPnP
Pre & Post Recording	Pre : 5 to 15sec, Post : 10 to 60 sec
<b>Software Support</b>	
Onvif	YES, Profile S
CMS Monitor	iCRYS Series, up to 256CH(64 Devices IP+NVR)
CMS Playback	9CH Playback Support
3rd Party VMS/NVR /CMS	Onvif/SDK
Mobile	Cloud Support, Android /iOS Mobile

## Specifications :

User Login	8 User Client/ 4 level of Rights
Simultaneous Login User	5 User Client
Snap Shot Management	Sechedule, Link with FTP or Email
Browser Support	IE 7+, Chrome 18 +, Firefox 5.0 +
Encryption	Off/AES
Event Handling	On-screen alerts/Mail/FTP/Record
FTP Upload	YES
EMAIL Alert	YES
<b>General</b>	
Power Supply	DC 12V & PoE (802.3af)
Power Consumption	<3W @ IR Off, <5W @ IR ON
Lighting/TVS Protection	TVS 6000V, Lightning/Surge 1000V Protection
IP Protection	Ip66
Operating Temperature & Humidity	-30°C ~ 60°C & 0% ~ 95% RH
Weight (g)	<0.6KG Camera
Dimension	169mm(L) X 67mm(W) X 70mm(H)

## Diagram :



\* Product specifications and appearance may be changed without prior notice due to improvements.



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