



## AM-SC1398-HD18

### Monarch 1.3 Megapixel IP PTZ CAMERA

#### Features :

- 1/3" CCD Image Sensor with 1.3 Mega Pixel
- HD Resolution with 1280(H) x 960(V) with up to 20FPS, 760(V) up to 30FPS
- 18X Optical Zooming
- 98 Preset, 4 Patterns, 8 Swing & Groups Function
- Duplex Compression Streaming H.264, MJPEG for Network, Record
- Selectable Dual or Single Streaming Combination For simultaneously Operation
- Powered through Power over Ethernet(PoE) with IEEE 802.3af Standard
- Compliant with ONVIF 2.0 on May, 2012
- "Common Gateway Information API for 3rd party intrigration CMS/VAS/NVR "
- Low illumination 0.5Lux(Color), 0.02Lux(B/W)
- Built in Fan/Heater
- High Quality JPED Image Capturing Capability
- Lightening Speed 360. /Sec & Smooth Manual Speed Min 0.05./sec
- Compatible with AVTRON Free Software Live up to 36CH with 16CH Playback Support
- Built in Multicast Streaming by that Large number of User can log on with Sensible Video Quality
- Wide Range Supported Network Protocol TCP/IP, UDP, RTP, RTSP, HTTP,DHCP, FTP, SNMP, DNS, DDNS
- Flexible & Selectable Video Stream Control by VBR & CBR
- Support 1CH Audio in/out Communication (G.711/AAC)
- OSD Menu Control BY Confrigation Menu
- Support Mirror Function with Horizontal, Vertical Direction
- Adjustable Exposure Mode Auto/Flicker/ Manual, Sense-Up
- Support Email Notification, FTP Upload, Composite Video Output
- Easy, Fast & User Friendly GUI CMS & Network Discovery BY UPnP
- 3rd party System intrigration by RS485/Sensor/Relay
- Motion Detection,BLC, Privacy Masking, Camera ID & etc
- Dual Power Support by 12V DC & POE
- Weatherproof IP 67 Proction with Compact Dome Enclosure



## Specifications :

Model No.	AM-SC1398-HD18
<b>Camera Specification</b>	
CCD Type	1/3" 1.3M CCD Image Sensor
Effective Pixels	Effective Max Pixel 1.3M with 1296(H) x 966(V)
Lux Level(illumination)	0.5 Lux @ Color, 0.02 Lux @ (B/W), @ F1.6, 50IRE
Shutter Speed Control	AUTO / Manual: 1/4s ~ 1/10,000s
Gain Control(AGC)	AUTO / Manual: 0 ~ 30dB
Lens	F = 4.7mm ~ 84.6mm, @ F1.6(Wide) ~ F2.8(Tele)
Optical Zoom Ratio	18X
Angle Of View	Horizontal : 55.2(Wide) ~ 3.2(Tele)
IRIS Control	Auto / Manual (F1.6 ~ F34)
ICR	Yes
White Balance	Auto / Manual(Red, Blue, Gain Adjustable)
<b>On Screen Display</b>	
WDR	On/Off
Day/Night	On/Off
Flickerless	On/Off
Sens-Up	up to 8X
Back Light Compensation(BLC)	Off/On with 4 Mode Selection
Camera ID Name	On/Off
OSD Menu Control	By Confrigation Menu
Digital Slow Shutter	X2 / X4 / X8 Field
AE Mode	AE/AER/ Shutter/ Exposure
Privacy Masking	Off/On with 4 Mode Selection
<b>Compression/Video/Audio</b>	
Video Compression	H.264 / MJPEG
Video Resolution	Max. 1280x720/960, 800x600, 720x480, 640x480, 352x240
Record & Live Frame rate	Selectable 1 ~ 30fps
Rate control	VBR/CBR, I-Frame interval
Bit Rate	32Kbps ~ 8MBPS

## Specifications :

Streaming	Single or dual configured by H.264 & MJPEG
Video output	Composite by RCA Socket(Analog) / RJ-45
Signal System	PAL/NTSC/Analog RGB Selectable
Audio Compression	G.711u(64kbps), AAC(128kbps)
Audio Connection	Line in / Line out (Stereo JACK)
Communication	Bi-directional
<b>Software Intrigration</b>	
Onvif	YES, V2.0
CMS Record	CAMMANAGER 36CH Record
CMS Playback	16CH Playback Support
3rd Party VMS/NVR /CMS	BY Onvif V2.0 / CGI
Event Trigger	BY Motion detection, Alarm Port
Event Handing	On-screen alerts/Mail/FTP/Configurable alert sound/Record
Event Recording	Pre-record (3sec.)/Post-record (30sec.)
FTP Upload	YES
EMAIL Notifiacion	YES
<b>Memory &amp; Storage</b>	
DDR RAM	1 GB
FLASH RAM	1 GB
<b>Network</b>	
Connection	RJ-45 Ethernet
Protocol	TCP/IP, UDP, RTP, RTSP, HTTP, DHCP, FTP, SMTP, DDNS
Streaming	Unicast, Multicast
Access control	Access levels with password protection
DDNS	Yes(dyndns)
Network discovery	UPnP
LAN Connectivity	10/100 Based-T
<b>Pan/Tilt</b>	
Pan/Tilt Range	Pan : 360.(Endless) / Tilt : 90.

## Specifications :

Pan/Tilt Speed	Manual : 0.05. ~ 360./Sec, Swing : 1.4. ~ 180. /Sec
Preset	98 Present
Patterns	4 Patterns
Swing	8 Swings
Group	8 Group ( Max 80 Enteries for Each Group)
Other Function	Auto Flip, Freeze, Auto Parking,
<b>Interface</b>	
RS-485	Yes
Sensor	2 x Sensor Input
Alarm	2 x Alarm Output(Relay)
<b>General</b>	
Power Supply	PoE, IEEE802.3af & DC 12V
Power Consumption	<500 mA
IP Protection	IP 67
FAN/ Heater	YES
Heater Temp	Start From 10.C ~ 30.C ~ 60.C
Operating Temperature	-10°C ~ + 50°C
Operating Humidity	30% ~ 80% RH
<b>Mechanical</b>	
Weight (g)	3.8Kg
Dome	Poly Carbonate Dome Cover
Housing	Alluminum

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



Scan with your  
Smart phone for  
more information  
[www.avtrontech.com](http://www.avtrontech.com)

**AVTRON**

[www.avtrontech.com](http://www.avtrontech.com) | [info@avtrontech.com](mailto:info@avtrontech.com)