

ADVANCED DIGITAL VIDEO PLATFORM



- HD IP
- HD-SDI / EX-SDI / IP
- HD TVI / AHD 2.0 / IP



Ver.2015V11

HD IP DVR

date : 2015. 11.24

- 2MP, 3MP camera supported

	CH	Model	Discription
9000 E series	4CH	MV-9004E	Up to 2 HDD / Local display / 120fps@1080p recording/ NO P2P HUB, NO POE option
9000S series	4CH	MV-9004S	Up to 2 HDD / Local Display / 120fps@1080p recording/4CH P2P HUB / PoE Option
	8CH	MV-9008S	Up to 3 HDD / Local Display / 240fps@1080p recording/ 4CH P2P HUB / PoE Option
	16CH	MV-9016S	Up to 3 HDD / Local Display / 480fps@1080p recording/4CH P2P HUB / PoE Option
9000W series	8CH	MV-9008W	Up to 3 HDD / Local Display / 240fps@1080p recording/ 8CH P2P HUB / PoE Option
	16CH	MV-9016W	Up to 3 HDD / Local Display / 480fps@1080p recording/8CH P2P HUB / PoE Option / 16CH POE OPTION

Note : Above model supports realtime 1080p recording mode supported.

Local display/ recording/ playback can choose main streaming or sub streaming
upto 16ch 480fps live and playback supported

9000P series	4CH	MV-9004P	Up to 3 HDD / Local Display / 120fps@ 1080p recording/4CH P2P HUB / PoE Option
	8CH	MV-9008P	Up to 6 HDD / Local Display / 240fps@ 1080p recording/ 8CH P2P HUB / PoE Option / Raid 5 built in / NAS
	16CH	MV-9016P	Up to 6 HDD / Local Display /480fps@1080p recording/ 8CH P2P HUB / PoE Option / Raid 5 built in / NAS
	32CH	MV-9032P	Up to 6 HDD / Local Display /1080p@480fps recording or 720p@480fps/ 8CH P2P HUB / PoE Option / Raid 5 built in / NAS

Note : Above model , Local Live display, playback through First stream from IP Camera .

480fps@ 1080p mode; upto 16ch recording/playback/live display supported

Full HD TVI / AHD 2.0 DVR

Automatically detect TVI / AHD 2.0 / 960H / IP / SD camera on any channels.

	CH	Model	Discription
T8100series	4+4CH	MV-T8104S	Up to 2HDD or 1HDD + 1 eSATA MUX / Real Time Display / 120fps@1920 x 1080 recording & Playback + 120FPS@960H or D1 recording and playback
	8CH	MV-T8108S	Up to 2HDD & 1 eSATA MUX / Real Time Display / 240fps@1920 x 1080 recording & 240fps@1920 x 1080 Playback
	16CH	MV-T8116S	Up to 3HDD & 1 eSATA MUX / Real Time Display / 480fps@1920 x 1080 recording & 480fps@1920 x 1080 playback
	16CH	MV-T8116P	Up to 4HDD & 1 eSATA MUX / Real Time Display / 480fps@1920 x 1080 recording & 480fps@1920 x 1080 playback

Hybrid DVR (EX SDI DVR / HD-SDI / IP / Analog)

Automatically detect EX SDI, HD SDI, 960H, SD camera on any channels.

2-3 times longer range than normal HD SDI distance.

	CH	Model	Discription
E8100 series	4CH	MV-E8104S	Up to 2HDD or 1HDD + 1 eSATA MUX / Real Time Display / 120fps@1920 x 1080 recording & Playback
	8CH	MV-E8108S	Up to 2HDD & 1 eSATA MUX / Real Time Display / 240fps@1920 x 1080 recording & 240fps@1920 x 1080 Playback
	16CH	MV-E8116S	Up to 3HDD & 1 eSATA MUX / Real Time Display / 480fps@1920 x 1080 recording & 480fps@1920 x 1080 playback
	16CH	MV-E8116SB	Up to 4HDD & 1 eSATA MUX / Real Time Display / 480fps@1920 x 1080 recording & 480fps@1920 x 1080 playback
	16CH	MV-E8116P	Up to 5HDD & 1 eSATA MUX / Real Time Display / 480fps@1920 x 1080 recording & 480fps@1920 x 1080 playback

IP CAMERA

All type of IP camera with 2MP, 5MP. (full line up will be provided you separate sheet)

Perfect combination with NVR

Embedded Full HD IP DVR

16ch 480fps@1080p live, playback, recording

32ch 480fps@1080p/720p live, playback, recording

HDMI, VGA, Spot output

VA(Video Analytics) Meta Data recordable

Raid 5 , NAS , RTSP Direct connection

Premium series

MV-9008P, 9016P, 9032P



FEATURES

- Standalone Real time IP recorder
- Full HD real time recording for 4,8,16ch (1080p /720p half real time for 32ch)
- Full HD real time live and playback (premium series)
- 480fps@1080p 16ch simultaneous playback (32ch playback@1080p/720p)
- Compression method: H.264 BP/MP/HP & MPEG4
- Plug and play & auto configuration for ip camera
- P2P (Peer to Peer) camera connection supported by internal Hub
- POE camera support(802.3at PSE Embedded, optional)
- Panorama (thumbnail) search
- Linear Digital zoom / Automatic sequencing / Freezing
- Quadplex (Live/Record/playback/network)
- Remote viewer for Windows, Web browser, iOS and Android
- 128 Mbps support
- Raid 5 / NAS support (premium series)
- eSATA for storage extension (up to 5 more HDD)

- Compatible IP camera;
ONVIF / Axis / LG / UDP/ CNB/ Truen / Shany / QNS / Secubest
ICANTEK/ Xtron /KTNC/ Dynacolor / ANT/ Gen / Novus
/ VisionHitech / Flexwatch (Seyeon) / FSAN / EOC / Wisecon

Standard series

MV-9004S,9004P,9008S,9016S



Eco series

MV-9004E, 9008E



Model Number		MV-9008P	MV-9016P	MV-9032P	Comment		
Camera	No of Channel	8 CH	16 CH	32 CH	For 9016P & 9032P, 8 CHs to PoE ports and other CHs on Local Port.		
	P2P Port (HUB Port)	8 x 10/100	8 x 10/100	8 x 10/100			
	Common(Local) Port	1 x G-Net	1 x G-Net	1 x G-Net			
	PoE Support	8, 120W	8, 120W	8, 120W			
	Max.Bitrate	~720p	8Mbps/CH@30fps	6Mbps/CH@30fps	4Mbps/CH@15fps	Maximum recommended bit rate for each camera including 2nd stream in case that all channels are being used.	
		1080p	8Mbps/CH@30fps	6Mbps/CH@30fps	4Mbps/CH@15fps		
	Models & Protocol	Compatible camera list mentioned in front page				Available to customize for the generic models	
Configuration	Plug & Play, Auto Configuration, Resolution/Quality/Image Control/Easy Connection(Scanning & Mapping)						
Monitoring & Display	Performance	~ D1	240 fps	480 fps	480 fps	With 1st Stream of Camera	
		720p	240 fps	480fps	480 fps	With 1st Stream of Camera With 2nd Stream of Camera (D1 or Smaller)	
		1080p	240fps	480fps	480fps	With 1st Stream of Camera With 2nd Stream of Camera (D1 or Smaller)	
		Display Mode	Main	1 / 4 / 9	1 / 4 / 9 / 16	1 / 4 / 9 / 16 / 32	
		CVBS	SPOT/MAIN	SPOT/MAIN	SPOT/MAIN		
		Display Stream	1st or 2nd stream selectable				
Audio	Local Inputs	1CH Line-in					
	From Cameras	Camera dependent					
Record	Video Compression	H.264 Baseline/Main/High Profile, MPEG4					
	Performance	240fps@1080p	480fps@1080p	480fps@ 720p ~ 960fps@~D1			
	Audio	Camera	Using audio streams from camera			G.711, ADPCM, PCM	
	Local	G.726 ADPCM, 1CH					
Search & Playback	Search Mode	Time/Calendar/Panorama/Event/VCA Metadata					
	Display Mode	1 / 4 / 9	1 / 4 / 9 / 16	1 / 4 / 9 / 16 / 32			
	Performance	~ D1	240 fps	480 fps	960 fps		
		720p	240 fps	480fps	480fps		
		1080p	240fps	480fps	480fps		
Panorama Search	Support with 16 split view window						
Playback Control	Forward/Reverse/Step, x1 ~ x60 and Max speed						
Network	Port (WAN)	1 x G-NET	1 x G-NET	1 x G-NET			
	Live Streaming	1st or 2nd stream selectable					
	Client Service	RMS for Windows, Web Viewer(ActiveX), iOS Viewer, Android Viewer E-mail, DDNS, uPnP, NTP, RTSP, HTTP,DHCP,SMTP, SNMP, P2P					
Storage	No of HDDs	6	6	6	SATA-II		
	RAID	Dual Recording and/or RAID 5					
	e-SATA	1	1	1	SATA Multiplier support		
Archiving	Capacity / HDD	~4TB	~4TB	~4TB	Advanced Format Support		
	Media Type	USB Memory or USB HDD	USB Memory or USB HDD	USB Memory or USB HDD			
	Copy	AVI					
	Backup	DVR format(with the embedded file player)				Playback on RMS or embedded file player	
Event	Remote	RMS/Web Viewer				Playback on RMS or embedded file player	
	Video Loss	Connection Lost Detection					
	Sensor In	Camera	Camera dependent				
		Local	8	16	16	TTL Input / Relay Output	
	Alarm Out	Relay	1	1	1	NO/NC/CM	
Control	Motion Detection	Indicated from Camera					
	VCA/Meta data	Camera dependent					
Misc.	GUI Control	IR Remote Control / USB Mouse / External Keyboard Controller					
	Health Checking	HDD S.M.A.R.T/ Fan Speed / Watchdog / System Temperature / Record Integrity					
	Serial Com. Language	RS-485 for PTZ and Controller Multi-Language (English/Russian/German/Korean/Japanese/Chinese/Polish/Etc.)				Available to customize	
Power	System	DC 12V/10A					
	PSE (PoE+ support)	120W(DC 48V/2.5A or 50V/2.4A)					
Dimension	WxDxH (mm)	430 x 443 x 88					
Weight	(Kg)						
Environment	Temperature/W	0°C ~ 40°C (32°F ~ 104°F)					
	Humidity	10~90% non-condensing					

Model Number		MV-9004S	MV-9004P	MV-9008S	MV-9016S	Comment	
Camera	No of Channel	4 CH	4 CH	8 CH	16 CH		
	P2P Port (HUB Port)	4 x 10/100	4 x 10/100	4 x 10/100	4 x 10/100	For 9008S & 9016S, CH5~CH8/16 should be connected to Local Port	
	Common(Local) Port	1 x G-Net	1 x G-Net	1 x G-Net	1 x G-Net		
	PoE Support	4, 72W	4, 72W	4, 72W	4, 72W		
	Max.Bitrate	~720p	5Mbps/CH@30fps	8Mbps/CH@30fps	8Mbps/CH@30fps	6Mbps/CH@30fps	Maximum recommended bit rate for each camera including 2nd stream in case that all channels are being used. Available to customize for the generic models
		1080p	4Mbps/CH@30fps	8Mbps/CH@30fps	8Mbps/CH@30fps	6Mbps/CH@30fps	
	Models & Protocol	Compatible camera list mentioned in front page					
Configuration	Plug & Play, Auto Configuration, Resolution/Quality/Image Control/Easy Connection(Scanning & Mapping)						
Monitoring & Display	Performance	~ D1	120 fps	120 fps	240 fps	480 fps	With 1st Stream of Camera
		720p	120 fps	120 fps	240 fps	240fps(*1)	With 1st Stream of Camera *1) For 9016S: 1-frame only Display at 16 split view (1fps/ch@720p) With 2nd Stream of Camera(D1 or Smaller)
		1080p	120 fps	120 fps	120fps(*2)	120fps(*2)	With 1st Stream of Camera *2)For 9008S & 9016S: 1-frame only Display at 9 & 16 split view, 1fps/ch@1080p With 2nd Stream of Camera(D1 or Smaller)
	Display Mode	Main	1 / 4	1 / 4	1 / 4 / 9	1 / 4 / 9 / 16	
		CVBS	Sequence/Digital Zoom/Covert//Event Pop-up				
	Display Stream	MAIN w/o GUI					
Audio	Local Inputs	1CH Line-in					
	From Cameras	Camera dependent					
	Video Compression	H.264 Baseline/Main/High Profile, MPEG4					
Record	Performance	120fps@1080p	120fps@1080p	240fps@1080p	480fps@1080p		
	Audio	Camera	Using audio streams from camera			G.711, ADPCM, PCM	
Search & Playback	Search Mode	Time/Calendar/Panorama/Event/VCA Metadata					
	Display Mode	1 / 4	1 / 4	1 / 4 / 9	1 / 4 / 9 / 16		
		~ D1	120 fps	120 fps	240 fps	480 fps	
	Performance	720p	120 fps	120 fps	240 fps	240fps(*3)	*3) For 9016S: 1-frame only Display at 16 split view (1fps/ch@720p)
		1080p	120 fps	120 fps	120fps(*4)	120fps(*4)	*4) For 9008S & 9016S: 1-frame only Display at 9 & 16 split view, 1fps/ch@1080p
	Panorama Search	Support with 16 split view window					
Playback Control	Forward/Reverse/Step, x1 ~ x60 and Max speed						
Network	Port (WAN)	1 x 10/100	1 x G-NET	1 x G-NET	1 x G-NET		
	Live Streaming	1st or 2nd stream selectable					
	Client	RMS for Windows, Web Viewer(ActiveX), iOS Viewer, Android Viewer					
Service	E-mail, DDNS, uPnP, NTP, RTSP, HTTP,DHCP,SMTP, SNMP, P2P						
Storage	No of HDDs	2	3	3	3	SATA-II	
	RAID	Dual Recording					
	e-SATA	-	1	1	1	SATA Multiplier support	
Capacity / HDD	~4TB	~4TB	~4TB	~4TB	Advanced Format Support		
Archiving	Media Type	USB Memory or USB HDD	USB Memory or USB HDD	USB Memory or USB HDD	USB Memory or USB HDD		
	Copy	AVI					
	Backup	DVR format(with the embedded file player)				Playback on RMS or embedded file player Playback on RMS or embedded file player	
Remote	RMS/Web Viewer						
Event	Video Loss	Connection Lost Detection					
	Sensor In	Camera	Camera dependent				
		Local	4	4	4	4	TTL Input / Relay Output
	Alarm Out	Relay	1	1	1	1	NO/NC/CM
Motion Detection	Indicated from Camera						
VCA/Meta data	Camera dependent						
Control	GUI Control	IR Remote Control / USB Mouse / External Keyboard Controller					
	Health Checking	HDD S.M.A.R.T/ Fan Speed / Watchdog / System Temperature / Record Integrity					
Misc.	Serial Com.	RS-485 for PTZ and Controller					
	Language	Multi-Language (English/Russian/German/Korean/Japanese/Chinese/Polish/Etc.)				Available to customize	
Power	System	DC 12V/3A	DC 12V/5A				
	PSE (PoE+ support)	72W(DC 48V/1.5A)					
Dimension	WxDxH (mm)	370 x 255 x 60		370 x 302 x 60			
Weight	(Kg)						
Environment	Temperature/W	0°C ~ 40°C (32°F ~ 104°F)					
	Humidity	10~90% non-condensing					

Model Number		MV-9008W	MV-9016W	Comment	
Camera	No of Channel	8 CH	16 CH		
	P2P Port (HUB Port)	8 x 10/100	8 x 10/100	For 9016W without 16 PoE Option, CH9~CH16 should be connected to Local Port	
	Common(Local) Port	-	1 x G-Net		
	PoE Support	8, 120W	8, 120W or 16, 200W	** 16, 200W PoE as an ordering option	
	Max.Bitrate	~720p	6Mbps/CH@30fps	6Mbps/CH@30fps	Maximum recommended bit rate for each camera including 2nd stream in case that all channels are being used.
		1080p	6Mbps/CH@30fps	6Mbps/CH@30fps	
	Models & Protocol	Compatible camera list mentioned in front page			Available to customize for the generic models
Configuration	Plug & Play, Auto Configuration, Resolution/Quality/Image Control/8E-asy Connection(Scanning & Mapping)				
Monitoring & Display	Performance	~ D1	240 fps	480 fps	With 1st Stream of Camera
		720p	240 fps	240fps(*1)	With 1st Stream of Camera
				480fps	*1) For 9016W: I-frame only Display at 16 split view (1fps/ch@720p)
		1080p	120fps(*2)	120fps(*2)	With 2nd Stream of Camera(D1 or Smaller)
	240 fps			480fps	With 1st Stream of Camera
	Display Mode	Main	1 / 4 / 9	1 / 4 / 9 / 16	*2)For 9008W & 9016W: I-frame only Display at 9 & 16 split view, 1fps/ch@1080p
CVBS		Sequence/Digital Zoom/Cover//Event Pop-up MAIN w/o GUI	MAIN w/o GUI	With 2nd Stream of Camera(D1 or Smaller)	
Audio	Display Stream	1st or 2nd stream selectable			
	Local Inputs	1CH Line-in			
	From Cameras	Camera dependent			
Record	Video Compression	H.264 Baseline/Main/High Profile, MPEG4			
	Performance	240fps@1080p		480fps@1080p	
		Audio	Camera	Using audio streams from camera	
	Local	G.726 ADPCM, 1CH			
Search & Playback	Search Mode	Time/Calendar/Panorama/Event/VCA Metadata			
	Display Mode	1 / 4 / 9		1 / 4 / 9 / 16	
	Performance	~ D1	240 fps	480 fps	With 1st Stream of Camera
				240fps(*1)	With 1st Stream of Camera
		720p	240 fps	480fps	*1) For 9016W: I-frame only Display at 16 split view (1fps/ch@720p)
				120fps(*2)	120fps(*2)
1080p	240 fps	480fps	With 1st Stream of Camera		
			*2)For 9008W & 9016W: I-frame only Display at 9 & 16 split view, 1fps/ch@1080p		
	Panorama Search	Support with 16 split view window			
	Playback Control	Forward/Reverse/Step, x1 ~ x60 and Max speed			
Network	Port (WAN)	1 x G-NET		1 x G-NET	
	Live Streaming	1st or 2nd stream selectable			
	Client	RMS for Windows, Web Viewer(ActiveX), iOS Viewer, Android Viewer			
	Service	E-mail, DDNS, uPnP, NTP, RTSP, HTTP,DHCP,SMTP, SNMP, P2P			
Storage	No of HDDs	3		3	
	RAID	Dual Recording			
	e-SATA	1		1	
	Capacity / HDD	~6TB		~6TB	
		Advanced Format Support			
Archiving	Media Type	USB Memory or USB HDD		USB Memory or USB HDD	
	Copy	AVI			
	Backup	DVR format(with the embedded file player)			
	Remote	RMS/Web Viewer			
		Playback on RMS or embedded file player			
Event	Video Loss	Connection Lost Detection			
	Sensor In	Camera	Camera dependent		
		Local	8	16	
	Alarm Out	Relay	1	1	
			TTL Input / Relay Output		
		NO/NC/CM			
Control	Motion Detection	Indicated from Camera			
	VCA/Meta data	Camera dependent			
	GUI Control	IR Remote Control / USB Mouse / External Keyboard Controller			
Misc.	Health Checking	HDD S.M.A.R.T/ Fan Speed / Watchdog / System Temperature / Record Integrity			
	Serial Com.	RS-485 for PTZ and Controller			
	Language	Multi-Language (English/Russian/German/Korean/Japanese/Chinese/Polish/Etc.)		Available to customize	
Power	System	DC 12V/5A			
	PSE (PoE+ support)	120W(DC 48V/2.5A)	120W(DC 48V/2.5A) or 200W(DC48V/4.2A)		
		** 200W(DC48V/4.2A) is for 16 PoE option			
Dimension	WxDxH (mm)				
Weight	(Kg)				
Environment	Temperature/°W	0°C ~ 40°C (32°F ~ 104°F)			
	Humidity	10~90% non-condensing			

	Model Number	MV-9004E	MV-9008E	Comment	
Camera	No of Channel	4 CH	8 CH		
	P2P Port (HUB Port)	x	x		
	Common(Local) Port	x	1 x G-Net		
	PoE Support	x	x		
	Max.Bitrate	~720p 1080p	5Mbps/CH@30fps 4Mbps/CH@30fps	8Mbps/CH@30fps 8Mbps/CH@30fps	Maximum recommended bit rate for each camera including 2nd stream in case that all channels are being used.
	Models & Protocol Configuration	Compatible camera list mentioned in front page		Available to customize for the generic models	
	Monitoring & Display	Performance	~ D1	120 fps	240 fps
720p			120 fps	240 fps	With 1st Stream of Camera
1080p			120 fps	120fps(*2)	With 2nd Stream of Camera (D1 or Smaller)
				240 fps	With 1st Stream of Camera *2)For 9008E: I-frame only Display at 9 split view, 1fps/ch@1080p
Display Mode		Main (HDMI & VGA)	1 / 4	1 / 4 / 9	With 2nd Stream of Camera(D1 or Smaller)
		4K2K(UHD)	x	x	
		CVBS	MAIN w/o GUI	MAIN w/o GUI	
Display Stream		1st or 2nd stream selectable			
Audio		Local Inputs	x	x	
		From Cameras	Camera dependent		
Record	Video Compression	H.264 Baseline/Main/High Profile, MPEG4			
	Performance	120fps@1080p	240fps@1080p		
	Audio	Camera Local	Using audio streams from camera x	x	G.711, ADPCM, PCM
Search & Playback	Search Mode	Time/Calendar/Panorama/Event/VCA Metadata			
	Display Mode	~ D1	1 / 4	1 / 4 / 9	
	Performance	720p	120 fps	240 fps	
		1080p	120 fps	120fps(*4)	*4) For 9008E: I-frame only Display at 9 & 16 split view, 1fps/ch@1080p
	Panorama Search	Support with 16 split view window			
Playback Control	Forward/Reverse/Step, x1 ~ x60 and Max speed				
Network	Port (WAN)	1 x 10/100	1 x G-NET		
	Live Streaming	1st or 2nd stream selectable			
	Client Service	RMS for Windows, Web Viewer(ActiveX), iOS, Android E-mail, DDNS, uPnP, NTP, RTSP, HTTP,DHCP,SMTP,SNMP, P2P			
Storage	No of HDDs	2	2	SATA-II	
	RAID	x	x		
	e-SATA	x	x	SATA Multiplier support	
	Capacity / HDD	~4TB	~4TB	Advanced Format Support	
Archiving	Media Type	USB Memory or USB HDD	USB Memory or USB HDD		
	Copy	AVI			
	Backup	DVR format(with the embedded file player)		Playback on RMS or embedded file player	
Event	Remote	RMS/Web Viewer		Playback on RMS or embedded file player	
	Video Loss	Connection Lost Detection			
	Sensor In	Camera	Camera dependent		
	Alarm Out	Local Relay	4 1	4 1	TTL Input / Relay Output NO/NC/CM
	Motion Detection VCA/Meta data	Indicated from Camera Camera dependent			
Control	GUI Control	IR Remote Control / USB Mouse / External Keyboard Controller			
	Health Checking	HDD S.M.A.R.T/ Fan Speed /Watchdog / Record Integrity			
Misc.	Serial Com.	RS-485 for PTZ and Controller			
	Language	Multi-Language (English/Russian/German/Korean/Japanese/Chinese/Polish/Etc.)		Available to customize	
Power	System	DC 12V/3A	DC 12V/3A		
	PSE (PoE+ support)	x	x		
Dimension	WxDxH (mm)	370 x 255 x 60	370 x 255 x 60		
Weight	(Kg)				
Environment	Temperature	0°C ~ 40°C (32°F ~ 104°F)			
	Humidity	10~90% non-condensing			

Automatically detect HD-TVI / AHD 2.0 / IP / SD on any channel

Max. 480fps@1920x1080 recording & playback

HDMI, VGA, Spot output

RAID , NAS support

Premium series

MV-T8116P



Standard series

MV-T8104S / T8108S/ T8116S



FEATURES

- 4/8/16CH Full HD realtime DVR
- HD-TVI/ AHD2.0 / IP / SD camera available for various camera input (1080p25&30/720p50&60/960H/D1)
- Real-time live monitoring & recording for all channels
- Advanced **mirroring(dual recording)** built in
- Adaptive **3D Adaptive Comb Filter** for Analog SD Input
- Backup to DVD Super-multi and USB Storage(T8116P Only)
- eSATA for storage extension (up to 5 more HDD)
- HDMI/VGA Simultaneous Output
- **CVBS** output for **spot or dual** monitor
- 2-way full duplex audio
- **Panorama Search**
- Integrated search, copy and playback
- Direct AVI formatting for Copy & Multiple channel backup as generic file format with embedded player
- **Sensor-triggered PTZ** operation
- User Privilege to control the access on cameras/live/playback/copy etc.
- **Linear digital zoom** for live and playback
- HTTP motion jpeg streaming by channel
- Individual network streaming (H.264)
- Low latency network transmission
- P2P easy connection from Mobile application
- Active Event Notification by Push Notification Server System
- Auto port forwarding(uPNP), DDNS, Embedded e-mail account
- Configurable resolution, quality & fps for network streaming directly from client
- Health checking (FAN speed & failure checking, HDD SMART)
- Date/time adjustment by DST, NTP
- RA(Remote Agent), VMS
- Web-based remote setup & viewer
- H264-based mobile client application: iOS(iPocketViewer) / Android(PocketViewer)
- Optional RAID-5 support for T8116P

MODEL		MV-T8104S	MV-T8108S	MV-T8116S	MV-T8116P
OPERATION MODE		QUADPLEX			
Live Display Speed(NTSC/PAL)		Realtime Display(240/200 fps)	Realtime Display(240/200 fps)	Realtime Display(480/400 fps)	Realtime Display(480/400 fps)
Recording	720x480(576)	240/200fps	240/200fps	480/400fps	480/400fps
	960x480(576)				
Playback	1280x720, 1920x1080	240/200fps	240/200fps	480/400fps	480/400fps
Video Input	No of BNC	4 (TVI, AHD2.0 or SD) + 4 (SD), IP	8 (TVI, AHD 2.0 or SD), IP	16 (TVI, AHD 2.0 or SD), IP	16 (TVI, AHD 2.0 or SD), IP
Video Output	VGA	1 (up to 1920X1080)			
	HDMI	1(up to 1920X1080)			
	CVBS(BNC)	Dual Monitor/SPOT Output(NTSC/PAL)			
Screen Division	Live Mode	1,4,9	1,4,9	1,4,9,16	1,4,9,16
	Playback Mode	1,4,9	1,4,9	1,4,9,16	1,4,9,16
Audio In/Out		4 line in (RCA)/1 line out (RCA) & HDMI			
Alarm	Input	4 Inputs	8 Inputs	16 Inputs	16 Inputs
	Output	1 Relay Output(CM/NO)	1 Relay Output(CM/NO)	1 Relay Output(CM/NO)	3 Relay Outputs (1: CM/NO, 2:CM/NO/NC, 3:CM/NO/NC)
Storage	Interface	SATA2(1.5Gbps)			
	HDD(Internal)	2	2	3	4
	eSATA	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)
Archive	Backup Device	USB Device (HDD, Thumb Drive), NAS & Remote via Network			
	Multiple channel	Raw data format, Support with the Embedded Player			
	AVI	0	0	0	0
USB Port		2 Ports at Front		2 Ports at Front & 2 Ports at Rear Panel	
PTZ & CCTV Keyboard Interface		One RS485 ports			
Motion Area		32 x 24			
System Control		USB Mouse, IR Remote Controller, External Keyboard Controller & HTTP API I/F, Front Key(T8116S-JD Only)			
Network	Port	10M/100M	10M/100M	10M/100M/1000M	10M/100M/1000M
	Protocols	DHCP, DDNS, P2P, uPNP, HTTP, NTP, SNMP, SMTP, Push Notification(iOS/Android)			
	No of Client Connection	Max. 8			
Multi-Language		support			
Power		Adapter (12V/3A)	Adapter (12V/3A)	Adapter (12V/5A)	Adapter (12V/6.67A)
Operating Temperature		5~40 °C / 20~80% RH			
Remote SW's		CMS/RMS / Web / MAC OSX / Android / iOS			
Dimension (WxDxH, mm)		1.5U (370x255x60)	1.5U (370x255x60)	1.5U (370x302x60) Rack Mountable	1.5U (430x391x63) Rack Mountable
Advanced FEATURES					
Dedicated network streaming	Live	H.264 with various resolution Size/Quality/FPS control from various viewer			
	Playback	1/4 size of input video resolution			
RAID	Mirroring	Configurable Dual Recording (event only or all by channels)			External & Optional Support Internally
	RAID-5	External	External	External	
Event Channel Popup		0	0	0	0
Event Channel Popup		0	0	0	0
Sensor Triggered PTZ activation		0	0	0	0
Motion/Alarm Indication		0	0	0	0
PTZ Tour, Event Preset		0	0	0	0
P2P/DDNS/Push Notification		ns.dynamiccmv.com/P2P server/Relay Server/Push Server			
USER Privilege Set up		Live/Search & Copy/Network/PTZ/Power Off/Camera, ADMIN Only Setup			
S.M.A.R.T HDD Check		0	0	0	0
E-mail with Snapshot Image		0	0	0	0
Recording Time Limit		12Hour, 1/2/3/4/5/6Day, 1/2/3Week, 1/2Month			
Motion JPEG Streaming		HTTP, by Each Channel			
Log In/Out Function		0	0	0	0
System log		Log History, Backup available			
HDD S.M.A.R.T Check & Status		0	0	0	0
Privacy Zone Masking		0	0	0	0
Covert		0	0	0	0
Digital Zoom		Linear zooming for LIVE & Playback			
REC Quality, FPS control per channel		0	0	0	0

ONE CABLE Full HD TVI SOLUTION by UTP cable

300m video crystal quality (600m enable)

DVR supply power to camera (more than 300m)

Pin map include RS485 (up to 600m)

Standard series

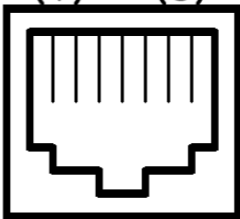
MV-T8104S-RJ / T8108S-RJ/ T8116S-RJ



FEATURES

- 4/8/16CH (**HD TVI/SD**) realtime DVR
- HD-TVI/SD camera available for various camera input (1080p/720p/960H/D1)
- HTTP motion jpeg streaming by channel
- Adaptive **3D Adaptive Comb Filter** for Analog SD Input
- All channel real time live monitoring & recording
- Individual network streaming (H.264)
- eSATA for storage extension (up to 5 more HDD)
- Advanced **mirroring(dual recording)** built in
- HDMI/VGA Simultaneous Output
- **CVBS** output for **spot or dual** monitor
- Health checking (FAN speed & failure checking, HDD SMART)
- **Sensor-triggered PTZ** action
- User Privilege to control the access on cameras/live/playback/copy etc.
- **Linear digital zoom** for live and playback
- **Panorama Search**
- Integrated search, copy and playback
- Direct AVI formatting for Copy & Multiple channel backup as generic file format with embedded player
- Multiple GUI resolution adjustable to various monitor type (HDMI, VGA)
- Low transmission latency
- Date/time adjustment by DST, NTP
- 2-way full duplex audio
- Auto port forwarding(uPNP), DDNS, Login/out
- Configurable resolution, quality & fps for network streaming directly from client
- RA(Remote Agent), VMS
- Web-based remote setup & viewer
- H264-based mobile device support: iOS/Android

(1) ~ (8)



RJ45 JACK

Including :

- VIDEO
- AUDIO
- RS485
- GND
- POWER

(exact pin map will be informed later)

*Specification would be modified without prior notice in case needed

MODEL		MV-T8104S-RJ	MV-T8108S-RJ	MV-T8116S-RJ
OPERATION MODE		QUADPLEX		
Live Display Speed(NTSC/PAL)		Realtime Display(240/200 fps)	Realtime Display(240/200 fps)	Realtime Display(480/400 fps)
Recording	720x480(576) 960x480(576)	240/200fps (SD:120/100fps+TVI:120/100fps)	240/200fps	480/400fps
Playback	1280x720, 1920x1080			
Network	Individual Streaming	Resolution Selectable (1/4 size ~ full size), H.264		
	Multiple Connection	Max 8		
Video Input	Format	D1(720x480/576), 960H(960x480/576), TVI(720p60/50, 1080p30/25)		
	RJ-45 (UTP)	4 (TVI or SD) + 4 (SD)	8 (TVI or SD)	16 (TVI or SD)
Video Output	VGA	1 (up to 1920X1080)		
	HDMI	1(up to 1920X1080)		
	CVBS(BNC)	Dual Monitor/SPOT Output(NTSC/PAL)		
Screen Division	Live Mode	1,4,9	1,4,9	1,4,9,16
	Playback Mode	1,4,9	1,4,9	1,4,9,16
Audio In/Out		8 Line-in(RJ45)/ 1 line out (RCA) & HDMI	8 Line-in(RJ45)/ 1 line out (RCA) & HDMI	16 Line-in(RJ45)/ 1 line out (RCA) & HDMI
Alarm	In / Out	8 In/ 1 Out(Relay)	8 In/ 1 Out(Relay)	16 In/ 1 Out(Relay)
	Alarm Out Control	Relay Configurable for User Control		
Storage	Interface	SATA2(1.5Gbps)		
	HDD(Internal)	2	2	3
	eSATA	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)
Archive	Backup Device	USB Device (HDD, Thumb Drive), NAS & Remote via Network		
	Multiple channel (RAW data)	Support with the Embedded Player		
AVI	0	0	0	
USB Port		2 Ports at Front		
PTZ & CCTV Keyboard Interface		One RS485 ports		
Motion Area		32 x 24		
System Control		USB Mouse, IR Remote Controller, External Keyboard Controller, & HTTP API I/F		
Network		LAN (TCP/IP Ethernet, RJ45), DHCP, Dynamic IP, DDNS, P2P, uPNP, HTTP, NTP		
Ethernet Port		10M/100M	10M/100M	10M/100M/1000M
Multi-Language		support		
Power Input	System Power	12V/5A	12V/3A	12V/3A
	Camera Power		48V/1.5A	12V/5A or 48V/1.5A
Operating Temperature		5~40 °C / 20~80% RH		
Remote SW's		RMS/ Web / Mobile SW / MAC OSX(TBD)		
UTP(RJ-45) Connection		Video(SD, HD-TVI), Audio, RS-485 , Camera Power		
Case		1.5U	1.5U	1.5U
Advanced FEATURES				
Dedicated network streaming		H.264 for various resolution Size/Quality/FPS control from various viewer		
Mirroring(RAID)		Dual Recording (by channel, event only or all), RAID-5 (External Optional)		
Search & Playback Mode		Calendar/Time/Panorama/Event (Motion, Alarm, V-Loss)		
Sensor Triggered PTZ activation		0	0	0
Motion/Alarm Indication		0	0	0
PTZ Tour, Event Preset		0	0	0
DDNS		dynamicmv.com		
USER Privilege Set up		Live/Search & Copy/Network/PTZ /Power Off/Camera, ADMIN Only Setup		
S.M.A.R.T HDD Check		0	0	0
E-mail with Snapshot Image		0	0	0
Recording Time Limit		12Hour, 1/2/3/4/5/6Day, 1/2/3Week, 1/2Month		
Motion JPEG Streaming		HTTP, by Each Channel		
Log In/Out Function		0	0	0
LOG View		0	0	0
HDD S.M.A.R.T Status		0	0	0
Privacy Zone Masking		0	0	0
Covert		0	0	0
Digital Zoom		Linear zooming for LIVE & Playback		
REC Quality, FPS control per channel		0	0	0

*Specification would be modified without prior notice in case needed

Automatically detect EX-SDI/HD-SDI/ IP / 960H/D1 on any channels

SDI long reach support with EX-SDI embedded

Max. 480fps@1920x1080 recording & playback

HDMI, VGA, Spot output

Raid 5 , NAS support

Premium series

MV-E8116P, MV-E8116SB



Standard series

MV-E8104S / E8108S/ E8116S



FEATURES

- 4/8/16CH **hybrid(HD-SDI/EX-SDI/ IP / SD)** real time DVR
- Analog/HD-SDI available for various camera input (1080p/720p/960H/D1)
- Supporting 400m FullHD video transmission without repeater for the EX-SDI standard
- HTTP motion jpeg streaming by channel
- Adaptive **3D Adaptive Comb Filter** for Analog SD Input
- All channel real time live monitoring & recording
- Individual network streaming (H.264)
- eSATA for storage extension (up to 5 more HDD)
- Advanced **mirroring(dual recording)** built in
- HDMI/VGA Simultaneous Output
- **CVBS** output for **spot or dual** monitor
- Health checking (FAN speed & failure checking, Temperature Sensing, HDD SMART)
- **Sensor-triggered PTZ** action
- User Privilege to control the access on cameras/live/playback/copy etc.
- **Linear digital zoom** for live and playback
- **Panorama Search**
- Integrated search, copy and playback
- Direct AVI formatting for Copy
- Multiple GUI resolution adjustable to various monitor type (HDMI, VGA)
- Low transmission latency
- Date/time adjustment by DST, NTP
- 2-way full duplex audio
- Auto port forwarding(uPNP), DDNS, Login/out
- Configurable resolution, quality & fps for network streaming directly from client
- RA(Remote Agent), VMS
- Web-based remote setup & viewer
- H264-based mobile device support: iOS/Android

MODEL		MV-E8104S	MV-E8108S	MV-E8116S	MV-E8116SB	MV-E8116P
OPERATION MODE		QUADPLEX				
Live Display Speed(NTSC/PAL)		Realtime Display(120/100fps)	Realtime Display(240/200fps)	Realtime Display(480/400fps)	Realtime Display(480/400fps)	Real time Display (480/400fps)
Recording	720x480(576) 960x480(576)	120/100fps	240/200fps	480/400fps	480/400fps	480/400fps
Playback	1280x720, 1920x1080	120/100fps	240/200fps	480/400fps	480/400fps	480/400fps
Network	Individual Streaming	Resolution Selectable (1/4 size ~ full size)				
	Multiple Connection	H.264 Max 8				
Video Input	No of BNC	4 (HD-SDI or SD), IP	8 (HD-SDI or SD), IP	16 (HD-SDI or SD), IP	16 (HD-SDI or SD), IP	16(HD-SDI or SD), IP
Video Output	VGA	1 (up to 1920X1080)				
	HDMI	1(up to 1920X1080)				
	CVBS(BNC)	Dual Monitor Output(NTSC/PAL)				
Screen Division	Live Mode	1,4	1,4,9	1,4,9,16	1,4,9,16	1,4,9,16
	Playback Mode	1,4	1,4,9	1,4,9,16	1,4,9,16	1,4,9,16
Audio In/Out		4 line in (RCA)/1 line out (RCA) & HDMI				
Alarm	In / Out	4 In/ 1 Out(Relay)	8 In/ 1 Out(Relay)	16 In/ 1 Out(Relay)	16 In/ 1 Out(Relay)	16 In/ 1 Out(Relay)
	Alarm Out Control	Relay Configurable for User Control				
Storage	Interface	SATA2(1.5Gbps)				
	HDD(internal)	2	2	2	4	5
	eSATA	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)	1 (eSATA MUX support)
Archive	Backup Device	USB Device (HDD, Thumb Drive), NAS & Remote via Network				
	Multiple channel (RAW data)	Support with the Embedded Player				
AVI		0	0	0	0	0
USB Port		2 Ports at Front				
PTZ & CCTV Keyboard Interface		One RS485 ports				
Motion Area		32 x 24				
System Control		USB Mouse, IR Remote Controller, External Keyboard Controller, & HTTP API I/F				
Network		LAN (TCP/IP Ethernet, RJ45), DHCP, Dynamic IP, DDNS, P2P, uPNP, HTTP, NTP				
Ethernet Port		10M/100M/	10M/100M/1000M	10M/100M/1000M	10M/100M/1000M	10M/100M/1000M
Multi-Language		support				
Power		Adapter (12V/3A)	Adapter (12V/5A)	Adapter (12V/5A)	Adapter (12V/6.67A)	Adapter (12V/10A)
Operating Temperature		5~40 °C / 20~80% RH				
Remote SW's		RMS/ Web / Mobile SW / MAC OS(X/TBD)				
Case		1.5U	1.5U	1.5U	2U (Rack Mountable)	2U (Rack Mountable)
Advanced FEATURES						
Dedicated network streaming		H.264 for various resolution Size/Quality/FPS control from various viewer				
Mirroring(RAID)		Dual Recording (by channel, event only or all) RAID-5 (External Optional)				
Search & Playback Mode		Calendar/Time/Event /Panorama (Motion, Alarm, V-Loss)				
Event Channel Popup		0	0	0	0	0
Sensor Triggered PTZ activation		0	0	0	0	0
Motion/Alarm Indication		0	0	0	0	0
PTZ Tour, Event Preset		0	0	0	0	0
P2P/DDNS/Push Notification		ns.dynamicmv.com/P2P server/Relay Server/Push Server				
USER Privilege Set up		Live/Search & Copy/Network/PTZ /Power Off/Camera, ADMIN Only Setup				
S.M.A.R.T HDD Check		0	0	0	0	0
E-mail with Snapshot Image		0	0	0	0	0
Recording Time Limit		12Hour, 1/2/3/4/5/6Day, 1/2/3Week, 1/2Month				
Motion JPEG Streaming		HTTP, by Each Channel				
Log In/Out Function		0	0	0	0	0
LOG View		0	0	0	0	0
HDD S.M.A.R.T Status		0	0	0	0	0
Privacy Zone Masking		0	0	0	0	0
Covert		0	0	0	0	0
Digital Zoom		Linear zooming for LIVE & Playback				
REC Quality, FPS control per channel		0	0	0	0	



M2321MPE
Progressive scan 1/2.9 inch CMOS
2.0M pixels
Full HD Dome IP camera
3.7mm
12IR, TDN, WDR, 0.12 Lux, POE



M2361MPE
Progressive scan 1/2.9 inch CMOS
2.0M pixels
Full HD Fancake IP camera
3.7mm
12IR, TDN, WDR, 0.12 Lux, POE
IP 66



M2387MPE
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD IR BULLET camera
3.7mm
24IR, TDN, WDR, 0.12 Lux, IP66, POE



M2389MPE
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD IR BULLET camera
2.8~12mm
24IR, TDN, WDR, 0.12 Lux, IP66, POE



M2327MPE
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD Dome IP camera
2.8~12mm
18IR, TDN, WDR, 0.12 Lux, POE



M2367MP
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD Vandal Dome IP camera
3.6~16mm
Analog video out (CVBS)
Digital PTZ, video crop
3Axis Lens mount
18IR, TDN, WDR, 0.12 Lux, POE



M2388MP
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD Mini Bullet IP camera
3.7mm
Analog video out (CVBS)
Digital PTZ, video crop
Detachable encoder box
WDR, 0.12 Lux, POE



M2389MP
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD IR BULLET IP camera
3.6~16mm
Analog video out (CVBS)
Digital PTZ, video crop
VANDAL PROOF
IR LED, TDN, WDR, 0.12 Lux, POE



M2327MP
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD Dome IP camera
3.6~16mm
Analog video out (CVBS)
Digital PTZ, video crop
3Axis Lens mount
18IR, TDN, WDR, 0.12 Lux, POE



M2361MP
Progressive scan 1/2.9 inch CMOS 2.0M pixels
Full HD Pancake IP camera
3.7mm
Analog video out (CVBS)
Digital PTZ, video crop
3Axis Lens mount
18IR, TDN, WDR, 0.12 Lux, POE



Engine of HD technology

MACROVIEW SYSTEM CO.,LTD

#804, A-dong, SK Twin Tech tower, 345-9
Gasam-dong, Geumcheon-gu, Seoul,
153-773, Korea

Tel: 82 2 864 8901~3

Fax: 82 2 864 8089

www.macroview.co.kr