



Fanless, Ruggedized Marine Grade DVR DC Computer

MPC-DVRC

The MPC-DVRC is a high performance marinated computer designed to be a fully featured DVR for shipboard security use in all sea states. The MPC-DVRC uses a genuine 4th Generation Intel Core i® Series mobile CPU and is specially built for ruggedness, fanless operation, low power/heat and low maintenance. Designed for high shock and vibration and wide variations in operating temperature, the non-ventilated enclosure eliminates dirt and salt air drawn in by fan-cooled units. The MPC-DVRC is designed to be bolted down where ever it is convenient for operation on any mobile platform and in any environment. The MPC-DVRC runs Microsoft Windows10® operating system, and incorporates state-of-the-art video capture software and can interface to digital HD-SDI, analog and/or IP cameras. The MPC-DVRC offers expanded I/O and can be configured to accomodate any number and type of cameras up to 32 IP cameras and/or 16 analog cameras. The MPC-DVRC Can have a separate 2TB storage drive and can store up to many days worth of video simultaneously. The MPC-DVRC can support up to three displays for multi-camera live monitoring, and has software security capabilities such as motion detection, access control, and direct control of most PTZ equipped cameras. The MPC-DVRC has an all aluminum corrosion resistant enclosure and is rated to operate from -20° to +60°C (-4° to 140°F).



Front (Shown with Optional Analog Video Capture Card)



Rear

Standard Features

- Intel i3, i5 or i7 Multi-Core Processor with QM87 Chipset
- 4 - USB 2.0 Ports, 4 - USB 3.0 Ports.
- 128 GB SATA 2.5" SSD Main Drive, Upgradable
- Windows10® Pro Operating System (64-bit).
- Optional 2TB 2.5" Auxilliary Hard Drive for Storage.
- Deck/bulkhead mounting rails.
- 8 GB DDR3 1333 MHz. RAM.
- Fanless Non-Corrosive Aluminum Sealed Case.
- Dual 10/100/1000 Ethernet plus Wireless 802.11 b/g.
- Multi-functional Video Management Software.
- Optional 4-16 channel Analog Capture Card or HD-SDI
- 12-26 VDC Power Input.
- 4 - RS232 Serial Port, 4 - RS-232/422/485 Serial Port.
- Super-compact 9.85" x 10.63" x 4.45", 8.8 lb.

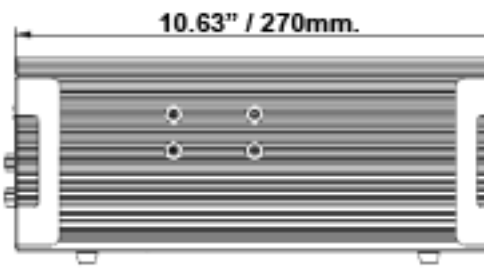
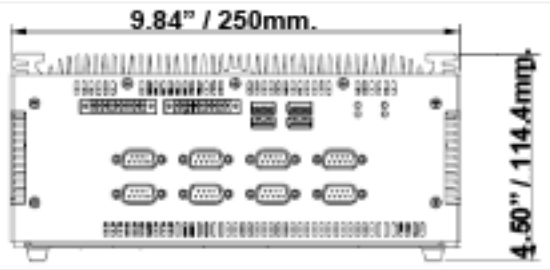
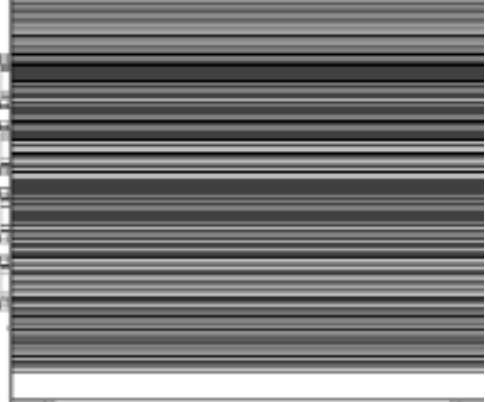


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Specifications

■ CPU	Intel Core i7-4700EQ® 2.3 GHz. Quad core, i5-4422E 1.8 GHz. DualCore, or i3-4110E 2.6GHz. DualCore		
■ Operating System	Windows7 Pro 64-bit, Windows8® Pro 64-bit, Linux		
■ Hard Drive	128 GB 2.5" Industrial Grade SATA SSD, Optional 250GB, 500 GB or 1TB, Optional 250, 500 or 1TB Secondary Drive		
■ Memory	8 GB DDR3L 1333/1600MHz., Upgradable to 16 GB		
■ Video Chipset	Intel QM87 Express Chipset		
■ Expansion	1 - PCI, 1- PCIe Optional Slots, Optional Analog Video Capture Card, 4 to 16 Channels, Optional HD-SDI Capture Card		
■ I/O Ports	4 - USB 2.0, 4 - USB 3.0, 4 - RS-232, 4 - RS-232/422/485, GPIO - 8-In, 8-Out, Audio - MIC-In, Line-Out		
■ Monitor Support	1 - VGA, 1 - HDMI (DVI-D with optional adapter), 2 - DP Outputs		
■ Networking	2 - RJ-45 10/100/1000 Base T Ethernet		
■ Mounting	Slotted mounting brackets		
■ Weight	4.0 kg / 8.8 lbs.		
■ Power	85 Watts Nominal		
■ Environmental	Operating	Non-Operating	
	Temperature (Air Ambient)	-20°C to 60°C (-4°F to 140°F)	-20°C to 75°C (-4°F to 167°F)
	Relative Humidity	5% to 90% (@40°C) non-condensing	
	Shock	50G (IEC60068-2-27, half-syne 11msec.)	
	Vibration	5Grms (IEC60068-2-64, Random, 10~500Hz, 1hr/axis)	
■ Electrical	Input	12-26 VDC Internal 120/240 VAC (Optional External Adapter)	
	Frequency	DC Input 45 – 75 Hz	
■ Standards	CE, FCC Class A Part 15, Designed to Meet Basic MIL-STD-810G, IEC60945		
■ Options	External AC Adapter		
	Wireless IEEE 802.11 b/g		
	Internal Mini-PCIe Card (Consult Factory)		
■ Ordering Information	MPC-DVRC7	Corei7 Quad Core 2.4 GHz.	
	MPC-DVRC5	Corei5 DualCore 1.8 GHz.	
	MPC-DVRC3	Corei3 DualCore 2.6 GHz.	
	Options	-16	Increase RAM to 16GB
		-W	Add Wifi Card with Antenna
		-500SD	Increase HD to 500GB
		-1TB	Increase HD to 1 TB
		-S250	Secondary 250GB SSD
		-S500	Secondary 500GB SSD
		-S1TB	Secondary 1TB SSD





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Specifications for DVR Software

Monitoring

- Support for up to 32 IP camera channels
- Support for H.264, H.265 GPU decoding and GPU fisheye dewarping
- Software license management support
- Customizable layout for live view and playback with drag-and-drop
- Multi-monitor display to show live view and playback on different monitors
- Support for QView display which enables the projection of a live view display onto another monitor
- Support for Microsoft SQL and Access database type
- Auto search for IP cameras
- Support for H.264, H.265, and MJPEG codec
- Support for resolution from CIF to megapixels
- Smart Dual Streaming for monitoring and recording
- Panel resolution up to 4K
- Noise Tolerance for Motion Detection
- 3D E-map
- System log
- Support for up to 1,000 accounts for logins and passwords
- Multi-level passwords protection and password expiration management
- I/O devices control
- PTZ control panel and PTZ auto functions
- System Idle Protection
- Live view buffer and frame rate control
- Live View Object Index to show the objects or faces captured
- Dual stream on-demand display
- Support for ONVIF, PSIA, and RTSP protocols

Intelligent Recording, Smart Search and Easy Playback

- Continuous recording (round-the-clock) and recording triggered by motion detection, alarm and schedule
- Adjustable recording quality and frame rate for each camera
- Pre-motion/IO and post-motion/IO recording
- Storyline recording
- Timeline Search
- Object search
- Thumbnail browse to quickly search for specific frames within video
- Instant Playback
- Extracting frames from a video clip during playback
- Support for Daylight Saving Time (DST)
- Support for recording in standard H.264, H.265, and MJPEG codec
- Support for configuration change without stopping recording
- Continuous playback of set frames A to B
- AVI repair utility

Advanced I/O Control

- Visual Automation to intuitively trigger an output by clicking on the camera view
- Virtual I/O control
- Record video, send e-mail notification and trigger output upon input trigger
- Move PTZ camera to a preset location on input trigger
- Latch Trigger feature

Notification

- E-mail notification with attached video images upon specified alert conditions
- Camera popup upon motion or I/O trigger
- Computer alarm upon recording errors, input, motion and other alarm conditions
- Video lost detection and notification through on-screen message

Video Analytics

- Object Counting
- People Counting
- Intrusion Alarm
- Face Detection
- Privacy Mask
- Panorama View
- Defog Function
- Video Stabilization
- Wide Angle Lens Dewarping
- Motion Detection
- Crowd Detection
- Scene Change Detection
- Unattended and Missing Object Detection
- Fisheye dewarping and object tracking in fisheye view
- Heat Map
- Digital watermark
- Windows lockup
- Fast backup and restore (FBR)
- Bandwidth Control program

WebCam for Remote Surveillance

- SSL Encrypt Connection Support
- UPnP™ Support
- Control Panel on Single View to provide instant information and operation
- Support for PIP, Focus View, Defogging Live Videos, and Video Stabilizer in Single View
- Restricting Power User and User to access WebCam Server at specified time length
- Event List Query
- Download Center
- Remote E-Map with pop-up live images upon input trigger

Video Merging and Export

- Exporting video recording within a specified time range
- Exporting videos in EXE format, playable with any third-party players
- Exporting videos of multiple channels in a single AVI video
- Support for automatically assigning storage to multiple channels
- Support for Windows burning software
- Time Merge function for exporting a full-length video with recorded and non-recorded periods
- Support for saving dewarped fisheye view in AVI format