



Frontend Components - Bronco 4 MDVR

- Bronco MDVR is the first of its class in the world.
- It has strong environmental protections and enhanced absorptions against shock and vibrations
- Bronco 4 is a 4-channel MDVR which can stream back 4 live videos
- Backend monitoring stations. This will allow the users to view the whole situation in any vehicle when needed.





Frontend Components - Bronco 4 MDVR Datasheet

System	
Operation Interface	Graphical User Interface (OSD menu)
Password Security	2 Levels: Administrator & User
Video	
Video Input	Supports 4 channels 1080P AHD camera Video input
	Supports 4 channels CIF/HD1/D1/960H/720P AHD camera Video input
	Supports 2-CH 720P AHD + 2-CH 960H analog mixing Video input
	Supports 1-CH 720P/1080P IPC + 4-CH 720P AHD/960H/D1/CIF Video input
	Supports 1-CH 720P/1080P IPC + 4-CH 1080P AHD Video input
Video Output	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 8pin AV-OUT Port)
Video Display	Single picture, 1~5 pictures
Signal System	PAL / NTSC (PAL@100 frame 720P/sec; NTSC@120 frame 720P/sec)
Audio	
Audio Input	4 Channels
Audio Output	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 8pin AV-OUT Port)
Record Format	Synchronized A/V recording
Recording & Storage	
Image Resolution	CIF / HD1 / D1 / 960H / 720 P / 1080P optional
Video Coding	ISO14496-10 Industry Standard
Video Bit Rate	CIF: 1536Kbps ~ 128Kbps,
	HD1/D1: 2048Kbps ~ 400Kbps,
	960H: 2048Kbps ~ 400Kbps,
	720P: 4096Kbps ~ 400Kbps
	Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest)



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Audio Bit Rate	40Kbps
Storage	Up to 2TB HDD/SSD and 1 SD card for backup (at 3G/4G/WIFI model option)
Alarm	
Alarm Input	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC
Alarm Output	2 Channel, 12V output
Communication Ports	
RS485	1 Port for PTZ control or Data Device usage
RS232	2 Port for communication or data usage
CAN	1 Port, CAN-H and CAN-L
RJ45 Network	1 Port of RJ45, For connection to an IP camera with maximum of 1080P
USB	2 Ports for USB 2.0, the front panel one to download video files & upgrade firmware; the rear panel one is optional.
Wireless Communication*	
3G*	3G (HSUPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module
4G*	4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier
Wi-Fi*	Internal Wi-Fi 802.11b/g/n (2.4 / 5.8 Ghz) optional
GPS*	
Int'l Standard GPS	Internal GPS module. Real-time geographic coordinates, speed information
G-Sensor	
Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	
PC Playback	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR



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MVP	Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
Software Upgrade	
Local or Remotely	Upgrade through the front USB3.0 or remotely via IVMS platform
Voltage Input	
+8V~+36V	8~36VDC Please check operational voltage of vehicle prior to the installation of the MDVR and its accessories to prevent possible damage
Voltage Output	
12V	12V (+/-0.2V) , Max 3A
ACC Detection	
≤4V	Power-off
≥6V	Power-on
Video Input Resistance	
75Ω	75Ω
Video Output Voltage	
2Vp-p	2VP-P CVBS output analog signal, screen input requires 75Ω resistance
I / O Port	
<1V	Low voltage trigger
>5V	High voltage trigger
Operational Temperature	
-40°C~80°C	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	187*205*65mm