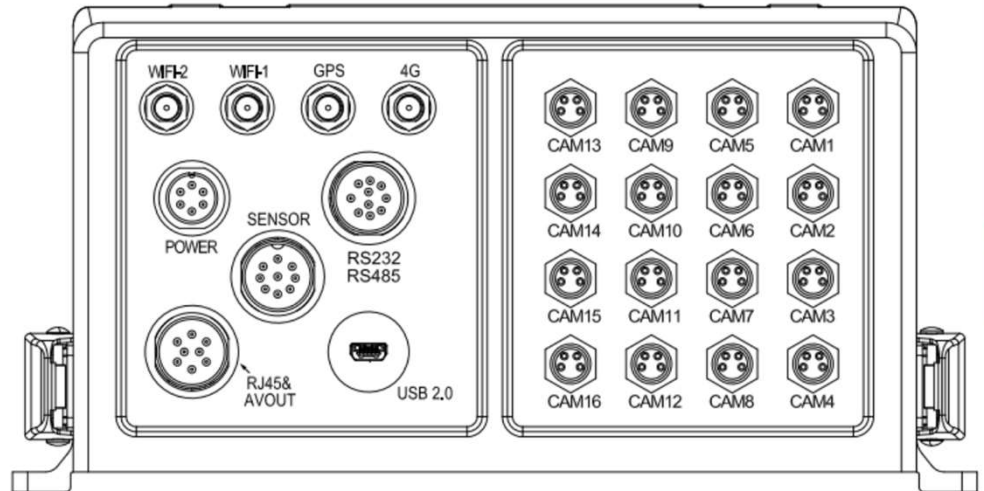




Frontend Components - Bronco 16-CH MDVR Datasheet



POWER



- 1 — DC IN+
- 2 — DC IN+
- 3 — GND
- 4 — GND
- 5 — ACC
- 6 — 9.6V IN
- 7 — 13V OUT

SENSOR



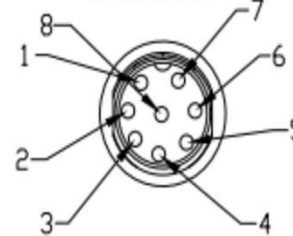
- 1 — 12V OUT
- 2 — SENSOR-OUT1
- 3 — SENSOR-IN4
- 4 — SENSOR-IN8
- 5 — SENSOR-IN3
- 6 — SENSOR-IN7
- 7 — SENSOR-IN2
- 8 — SENSOR-IN6
- 9 — SENSOR-IN1
- 10 — SENSOR-IN5

CAM1-16



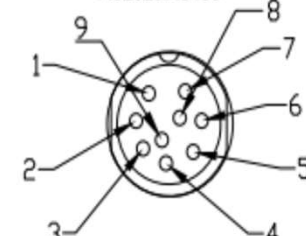
- 1 — 12V OUT
- 2 — GND
- 3 — A-IN
- 4 — V-IN

RJ45&AV-OUT



- 1 — 12V OUT
- 2 — GND
- 3 — RJ45-TX-
- 4 — RJ45-TX+
- 5 — RJ45-RX-
- 6 — RJ45-RX+
- 7 — V-OUT
- 8 — A-OUT

RS232&RS485



- 1 — GND
- 2 — SENSOR-OUT
- 3 — RS485-B
- 4 — RS232-RX-1
- 5 — RS485-A
- 6 — RS232-TX-1
- 7 — RS232-RX-2
- 8 — 5V-OUT
- 9 — RS232-TX-2



Frontend Components - Bronco 16-CH MDVR Datasheet

BRONCO 16 CH MOBILE DIGITAL Video Recorder (MVDR)		
Type	Description	Details
System	Language	English(OSD)
	Operating System	Linux
	Firmware Upgrade	USB, Remote client
	Firmware Storage	Flash
Video	Video in	16 Channel D1, 16 Channel AHD 720p/960H/D1/CIF
	Video Out	2 Channels CVBS
	Signal System	PAL/NTSC
	Video Resolution	720p/960H/D1/HD1/CIF
	Video Compression	H264, ISO14496-10 Industry Standard
	Bitrate Support	CBR, VBR
	Frame rate	Max 25 fps
Audio	Audio In	16 Channel
	Audio out	2 Channel
Storage	Local Storage	Dual 2.5" HDD (2TB per slot), 1 SD Card 128GB (for backup) 2TB HDD will be provided as part of package
Digital IO	Sensor Input	8
	Sensor Output	2(12V)
Built-in interface	GPS	GPS(48 channels)
	GSM	LTE(1800Mhz, 2600 MHz)
	WIFI	2.4GHz802.11b/g/n or 5Ghz 802.11n
Extended Interface	Network	1 x RJ45(10M/100M)
	Serial Interface	RS485, RS232
	USB 3.0	1



Frontend Components - Bronco 16-CH MDVR Datasheet

POWER	Input	19V-36V
	Output	8/16 channel (12V 500Ma) for camera, Max 12V 3A
	ACC detection On	>6V
	ACC OFF	<4V
	Consumption	12W ~ 60W
	Configuration Power Off after ACC off	0-30mins
	Video input impedance	75 Ω
General	G-Sensor	Inbuilt
	Dimensions	204*191*93mm
	Weight	~5 kg
	Internal Clock synch	GPS
	Internal clock battery life	5 years
	Power button/reset button	None
	Watermarking	Enabled
UPS	Capacity	5200mAh 9.6V (Lithium-ion)
	Operation time	About 30 mins(16 Channels)
Encryption	Algorithm	AES256
Environment	Ingress Rating	IP67
	Vibration and Shock	MIL-810-G
	Operating Temperature	-20 °C to 75°C
	Storage Temperature	-40° to 85°C



Frontend Components - Bronco 16-CH MDVR Datasheet

BRONCO 16 CH Antenna		
Category	GPS Antenna	LTE Antenna
Frequency	1575.42MHz (L1,GPS) 1602MHz (GLONASS)	704~960Mhz,1710~2690 MHz
Gain	27 dB @ 3V	6.9dBi @700~960MHz (1m cable) 4.0dBi @1710~2170MHz (1m cable) 2.7dBi @2300~2690MHz (1m cable)
V.S.W.R	≤ 2	< 2.2(with 1m cable)
Noise Figure	1.3 Max	-
Band Width	43MHz @ 511 ≤ -10dB	256MHz for frequency of 704-960MHz 460MHz for frequency of 1710~2170MHz 100MHz for frequency of 2400~2500MHz 700MHz for frequency of 5150-5850Mhz
Impedance	50 Ohm	50 Ohm
Cable/Connector	1m RG-174 Cable-SMA(P)	1m RG-58 Cable-SMA(P)
Polarization	R.H.C.P	Linear
Power supply	3.0~5.5V DC	-
Power consumption	10mA typical	-
Power Handling Capacity	-	10W
Operation Temperature	-30degC to +80 degC	

Category	2.4g~2.5G	5.1G~5.8G
Frequency	2400~2500MHz	5100~5850MHz
Gain	3.9dBi (1m cable)	3.3dBi(1m cable)
V.S.W.R	≤ 1.7	≤ 1.55
Cable/Connector	1m RG-174 Cable-SMA(P)	1m RG-174 Cable-SMA(P)
Polarization	Linear	Linear
Dimensions	102mm(Dia.) x 43.5mm(H)	
Operation Temperature	-40degC to + 80degC	
Storage Temperature	-45degC to +100degC	