

## Technical Specification

### ContentProbe MRF/CRF Audio/Radio



IdeasUnlimited.tv

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#### MRF/CRF Radio Monitoring Recorders

These compact 1RU servers will record up to 32 channels of AES/EBU audio, or 16 Balanced Analogue channels, or up to 16 FM/AM radio channels using internal tuners and are ideal for regulatory and logging applications. All CRF & MRF units include FaultTracker as standard which monitors for Audio Silence and Audio Tone. Alarms by SNMP & E-mail (also SMS or GPI with hardware option). Also features On-demand Streaming and Instant Rewind of radio channel.



#### Models:

- **CRF AES32 Monitoring recorder, 42 days per channel** - 32 channel AES/EBU Monitoring recorder FaultTracking and browse recording at 64kb/s.
- **MRF BA16 Monitoring recorder, 85 days per channel** - 16 channel Balanced Analogue Monitoring recorder FaultTracking and browse recording at 64kb/s. (16 stereo pairs)
- **MRF FM8 Monitoring recorder, 170 days per channel** - 8 channel FM/AM Radio Monitoring recorder with internal tuners and single RF input. FaultTracking and browse recording at 64kb/s.
- **MRF FM16 Monitoring recorder, 85 days per channel** - 16 channel FM/AM Radio Monitoring recorder with internal tuners and single RF input. FaultTracking and browse recording at 64kb/s.

#### Options:

Archive software, GPI/SMS alert modules, Daily PDF reports module, spares

#### Alarms

GPI/SMS – RS232, hardware/software module is required. SMS needs unlocked SIM card.

#### I/O - general

6x USB (Rear) & 2x USB (Front), 1 x RS-232 (Rear), 2 x RJ45 Gigabit LAN, 1 x VGA & 1 DVI-D, 1 x IEC power inlet plus 1 x RF F connector (for all FM channels), 1x DB68HD (on AES/EBU/Audio models). (CR model see CR spec).

#### Reference Input

Time of Day Reference via NTP client. Black & Burst not required.

#### Network/Bandwidth

1Gb network is recommended. For remote connection a VPN will be required.

#### Data Rate

Standard setup is 64k per stereo pair. (configurable)

#### Receiver Specification

Supports World Wide FM/AM Bands. Additionally supports RDS/RBDS supplementary data.

#### Power and thermal load

110-240VAC, 50-60Hz, 225W PSU. Thermal load 800BTU peak per unit.

#### Storage / Disc drives - RAID 1

MRF FM models are RAID 1 (CRE & CRF models are RAID 5).

#### Dimensions and shipping information

19" rackmount 1RU, H x 44mm, W x 440mm, D x 308mm

Shipping details per unit - Weight 8Kg, Dimensions 56 x 40 x 17 cm.

**Specifications subject to change without notice.**



# User Interface

Date / Time	Type	Ident	Message	Minipic	Report
2010/07/22 23:22:21	Green	Channel 1	Client has connected		Green
2010/07/23 00:45:50	Red	Channel 1	Audio Silence Alarm	Black	Green
2010/07/23 00:46:21	Green	Channel 1	Audio Silence Alarm has cleared	Green	Green
2010/07/22 23:22:25	Green	Channel 10	Client has connected		Green
2010/07/23 00:45:50	Red	Channel 10	Audio Silence Alarm	Black	Green
2010/07/23 00:46:21	Green	Channel 10	Audio Silence Alarm has cleared	Green	Green
2010/07/22 23:22:21	Green	Channel 2	Client has connected		Green
2010/07/23 00:45:50	Red	Channel 2	Audio Silence Alarm	Black	Green
2010/07/23 00:46:21	Green	Channel 2	Audio Silence Alarm has cleared	Green	Green
2010/07/22 23:22:21	Green	Channel 3	Client has connected		Green