

# Quad SDI/HDSI to COFDM MPEG2/4 Modulator Rack Mount 14MM-DD4HDSI-R

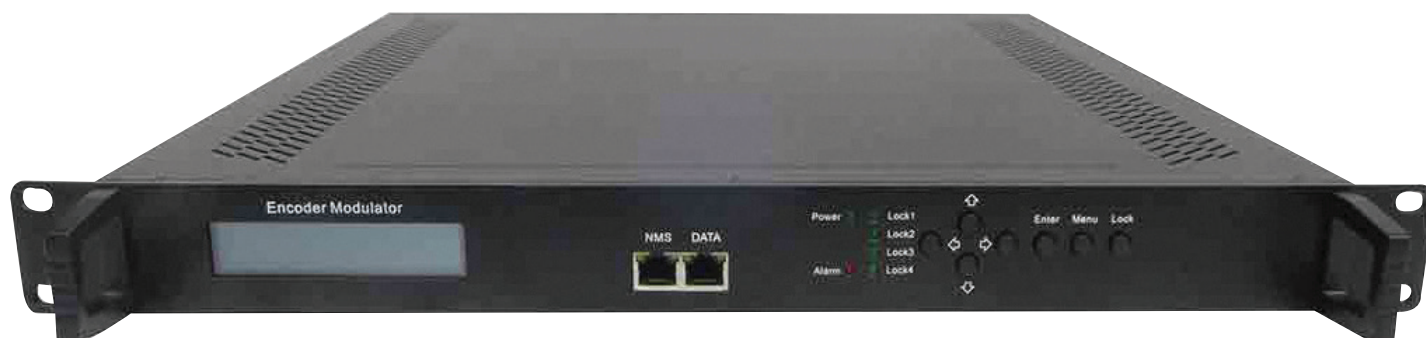


*For the Best*

The DD4HDSI-R is a rack mount professional quad SDI/HDSI encoder modulator. Encoding to either MPEG2 or H.264 video codecs and modulating to DVB-T with simultaneous multicast IP output.

## Features and Benefits

- » 4 x SDI/HDSI Modulated to 2 RF output plus multicast IP
- » MPEG2 or H.264 encoding
- » Low latency mode
- » MER >40dB
- » Web management for programming and monitoring
- » 0-45 degrees operating temperature



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## 14MM-DD2HD-R Specifications

| Video             |   |
|-------------------|---|
| Encoding          | MPEG2, MPEG4 AVC/H.264  |
| Input             | 4x HDMI (or 4x SDI)   |
| Resolution        | 1920x1080 60P, 1920x1080 50P, (-for MPEG4 AVC/H.264 only) 1920x1080 60i, 1920x1080 50i, 1280x720 60p, 1280x720 50P 720x480 60i, 720x576 50i |
| Low delay         | Normal, mode 1 mode 2   |
| Audio             |   |
| Encoding          | MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, AC3 2.(Optional)  |
| Sample Rate       | 48KHz   |
| Bit rate          | 64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps  |
| Modulator Section |   |
| DVB-C             |   |
| Standard          | J.83A , J.83B, J.83C  |
| MER               | ≥42dB   |
| RF frequency      | 4 carriers combined output; 30-960MHz, 1KHz step  |
| RF output level   | -30- -10dbm(77-97 dbQV),  |
| Symbol rate       | 5.000-9.000Msps adjustable  |
| J.83A             |   |
| Constellation     | 16/32/64/128/256QAM   |
| bandwidth         | 8M  |
| J.83B             |   |
| Constellation     | 64QAM/ 256QAM   |
| Bandwidth         | 6M  |
| J.83C             |   |
| Constellation     | 64QAM/ 256QAM   |
| Bandwidth         | 6M  |
| DVB-T             |   |
| Standard          | EN300744  |
| Bandwidth         | 6M, 7M, 8M  |
| Constellation     | QPSK, 16QAM, 64QAM  |
| Code rate         | 1/2, 2/3, 3/4, 5/6, 7/8   |
| Guard Interval    | 1/32, 1/16, 1/8, 1/4  |
| Transmission Mode | 2K, 8K  |
| MER               | ≥42dB   |
| RF frequency      | 30-960MHz, 1KHz step  |

| RF Out  | 2 carriers combined output; COFDM DVB-T out                 |
|---|---|
| RF output level   | -30- -10dbm (77-97 dbQV), 0.1db step                        |
| ATSC  |   |
| Standard  | ATSC A/53   |
| MER   | ≥42dB   |
| RF frequency  | 4 carriers combined output; 30-960MHz, 1KHz step            |
| RF output level   | -26--10dbm (81-97dbQV), 0.1db step                          |
| Constellation   | 8VSB  |
| ISDB-T  |   |
| Standard  | ARIB STD-B31  |
| Bandwidth   | 6M  |
| Constellation   | DQPSK,QPSK, 16QAM, 64QAM                                    |
| Guard Interval  | 1/32, 1/16, 1/8, 1/4  |
| Transmission Mode   | 2K, 4K, 8K  |
| MER   | ≥42dB   |
| RF frequency  | 1/2 carriers combined output; 30-960MHz, 1KHz step          |
| RF output level   | -30- -10dbm (77-97 dbQV), 0.1db step                        |
| System  |   |
| Local interface   | LCD + control buttons                                       |
| Remote management   | Web NMS   |
| Stream input/output   | 1 ASI input and 1 ASI out (BNC type) - Optional             |
| 1 IP (4*SPTS or 1 MPTS) out over DUP, RTP/RTSP (RJ45, 100M) | 1 IP (4*SPTS or 1 MPTS) out over DUP, RTP/RTSP (RJ45, 100M) |
| NMS interface   | RJ45, 100M  |
| Language  | English   |
| General   |   |
| Power Supply  | AC 100V-240V  |
| Dimensions  | 420x400x44mm  |
| Weight  | 4.5 kgs   |
| Operation temperature                                       | 0-45°C  |