

MD SERIES HD ENCODER & MODULATOR

FEATURES:

- All-in-one integrating MPEG-2 encoding and DVB modulating
- Multi-standard modulation in one device, each channel support one DVB-C/DVB-T/ATSC/ISDB-T/DTMB output option
- Support 4/8 HDMI input and 4/8 RF carriers combined output
- Support CC (Closed Caption), EIA608
- Support "Program Name" & "LCN" setting
- Low latency (50~1000ms)
- LCD display and control setting on front panel
- Support Web "NMS" and Ethernet software upgrade



TECHNICAL SPECIFICATIONS:

| Model | | MD-HD404 | MD-HD808 |
|---------------|--|----------------------|----------------------|
| Input section | | 4x HDMI, 4x CC (RCA) | 8x HDMI, 8x CC (RCA) |

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|-------|--------------|--|--|
| Video | Encoding | MPEG-2 | |
| | Resolution | 1080@60p/60i→1080@30p, 1080@50p50i→25p, 720@60p→30p, 720@50p→25p, 576@50i→25p, 480@60i→30p | |
| | Bit-rate | 2~20Mbps | |
| | Rate control | VBR | |
| | Aspect ratio | 16:9 | |
| | GOP | 1~60 | |

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|-------|---------------|--|--|
| Audio | Encoding | MPEG1 layer II, MPEG-2 AAC, AC3 | |
| | Sampling rate | 48KHz | |
| | Bit-rate | 128Kbps (MPEG-1 layer2), VBR (MPEG-2 AAC), 128Kbps (AC3) | |

| | Number of RF carrier | 4 | | | 8 | |
|-------------------|----------------------|---|----------------------------|--------------|----------------------------|---|
| | | DVB-C J.83A, J.83B | DVB-T COFDM | ATSC A/53 | ISDB-T ARIB STD-B31 | DTMB GB20600-2006 |
| Standard | | DVB-C J.83A, J.83B | DVB-T COFDM | ATSC A/53 | ISDB-T ARIB STD-B31 | DTMB GB20600-2006 |
| Bandwidth | | 8M (J.83A), 6M (J.83B) | 2/3/4/5/6/7/8M | 6M | 6M | 2/3/4/5/6/7/8M |
| Constellation | | 16,32,64,128,256QAM (J.83A), 64,256QAM (J.83B) | QPSK, 16QAM, 64QAM | 8VSB | QPSK, 16QAM, 64QAM | --- |
| Code rate | | --- | 1/2, 2/3, 3/4, 5/6, 7/8 | --- | 1/2, 2/3, 3/4, 5/6, 7/8 | --- |
| Guard interval | | --- | 1/32, 1/16, 1/8, 1/4 | --- | 1/32, 1/16, 1/8, 1/4 | --- |
| Symbol rate | | 3~7Msps | --- | --- | --- | --- |
| Transmission mode | | --- | 2k, 8k | --- | 2k, 4k, 8k | S-0.8-4QAM-595 S-0.8-16QAM-595 M-0.4-16QAM-945V M-0.6-16QAM-945V M-0.6-64QAM-420V M-0.6-64QAM-945V M-0.8-16QAM-420V M-0.8-16QAM-945V M-0.8-64QAM-420V |
| MER | | >35dB | | | | |
| Output frequency | | 100~1000MHz, 1KHz step | | | | |
| Output level | | -48~-10dBm (59~97dBμV), 1dB step | | | | |
| Connector | | F type (75Ω) | | | | |

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|---------|----------------------|---|
| General | Mains supply voltage | AC100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz |
| | Dimensions | 44mm(H) x 482mm(W) X 328mm(D) |
| | Weight | 3kg |
| | Temperature | 0~45°C (operating), -20~80°C (storage) |