



M3-300

The M3-300 is a digital video and audio player designed for the playback of MPEG-1,2 & 4 and high resolution still pictures on TV and LCD monitors in commercial environments. The videos and pictures are stored and played directly from a solid state Compact Flash memory card. The M3-300 also supports 720p up-scaling on VGA and Component video (YPbPr) output.

Content Format supported

- Video :**
- MPEG - 1 (352 x 288, PAL, 25fps)
 - MPEG - 1 (352 x 240, NTSC, 29.97fps)
 - MPEG - 2 (720 x 576, PAL, 25fps)
 - MPEG - 2 (720 x 480, NTSC, 29.97fps)
 - MPEG - 4 (720 x 576, PAL, 25fps)
 - MPEG - 4 (720 x 480, NTSC, 29.97fps)
- Still Picture :**
- JPEG (Suggested 1280 x 960) on VGA
 - JPEG (Suggested 1280 x 720) on YPbPr
- Audio :**
- 44.1kHz Stereo, 224kbit/s
- Codec :**
- MPEG-1/2/4, DivX, XviD, JPEG

Features

- OSD Functions :**
- Set Date/Time
 - Set ID
 - Volume
 - Data logging
 - OSD display
- IR Control :**
- Power/0-9/Display/Play/Stop/Repeat/ Pause/Volume/Track/Mute
- Play Modes :**
- Playlist mode
 - Simple play mode
 - Schedule playback
- USB Update :**
- Entire/Partial update
 - Auto power cycling after USB plug/unplug
- Interactivity :**
- Supports 16 buttons
 - Touch screen
 - Motion sensor
 - Barcode code scanner
 - Serial port control

Reliability

- Estimated MTBF :** In excess of 100,000 hours
- Warranty :** Three years

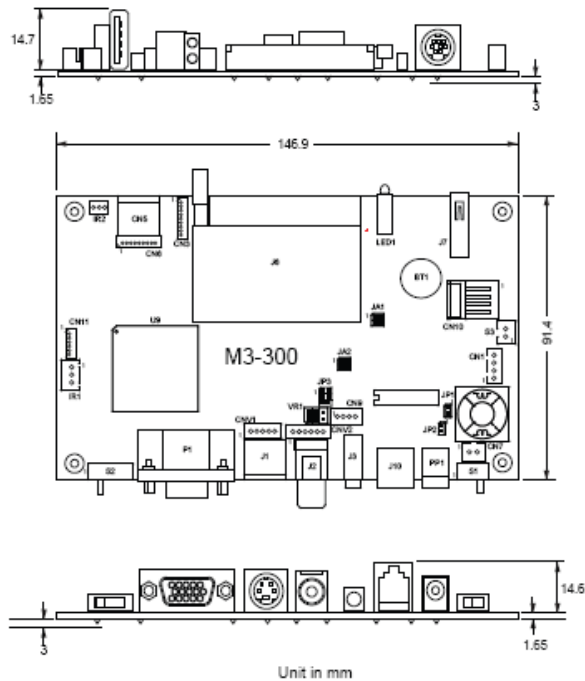
Specification

- Playable format :** . mpg/.jpg/.mp3/.avi
- Storage media :** Compact Flash Card
- Video output :** Composite / S-Video / VGA / YPbPr
- Audio output :** Stereo phone jack
- Playback functions :** Play / Stop / Pause / Repeat / Previous track / Next track / Volume / Mute / Loop playback / Sequence play / Startup mode / Sleep mode
- Touch Screen and functions :** Support Analog touch glass and ITO (segment type) touch glass
- External I/O ports :** RS-232 (9600, N-8-1) / USB (Content upload) / Infra-red (Use with DV IR handset) / Remote Ext. (For button & touch)
- LEDs :** Power LED (Green) / Status LED (Green)
- Watchdog :** Support system reset
- Real time clock :** Battery-backup RTC
- Aux. power out :** 5V DC and 12V DC (with fuse protect)
- Power requirement :** DC 12V input
- Power consumption :** 500mA @12V
- Operating Temperature :** 0 °C to 50 °C
- Relative humidity :** 5% - 95% relative humidity (Non-condensing condition)
- Dimension :** 146.9 mm x 91.4 mm x 18mm (WxDxH)
- Weight (net) :** 135g

Options

- CF Card, DV IR handset, Speakers, Volume knob, Touch glass, 8-button keypad, Power supply, Cables, DV Studio software

Custom Engineering Service - splash screen , touch pattern design , I/O control, function and layout customization, etc.



Connector definitions

CN1	Speaker out (L/R)
CN3	Switches and buttons (#9-#16)
CN5	Remote Ext. (#1-#8)
CN6	Switches and buttons (#1-#8)
CN7	Alternative PAL/NTSC
CN9	Alternative audio out
CN10	Alternative power out
CN11	Reserved
CNV1	Alternative S-Video / Composite out
CNV2	Alternative VGA / YPbPr out
LED1	Power / Status LED (Green)
J1	S-Video out
J2	Composite video out
J3	Audio out
J6	CF card connector
J7	USB
J10	RS-232 (RJ-11 jack)
S1	PAL / NTSC switch
S2	Video switch
S3	On/Off switch connector
P1	VGA / YPbPr out
PP1	Power input
IR1	IR connector

Accessories

4460104-01-3	IR sensor kit
5590001-04-3	IR handset
4268943-00-3	RJ-11 to RS-232 cable
4260048-00-3	VGA to YPbPr cable
4266804-01-3	On/Off switch cable
4268905-00-3	Volume control knob
4264514-01-3	Remote Ex. cable
4161013-00-3	8-button switchmount for Remote Ex.

Available documentation

M3-300 User Guide
 ViewStream 300 User Guide
 Content Creation Guide
 Firmware Upgrade Procedure
 DV Studio Plus User Guide
 Application Notes

Note: More documents are available on Digital View's website.