

**Z<sup>3</sup> Technology**

**User's Manual**

**HD Multi-Format Video Player**

**Model Name: Z3-MVP-01**



Version 2.1

July 02, 2011

Before attempting to connect or operate this product, please read these instructions carefully and save the manual for future use.

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## Revision History

<u>Date</u>	<u>Change Note</u>	<u>Author</u>
03/12/10	Z3-MVP-01 System	CH
06/13/11	Updated manual layout	CH
07/02/11	Minor corrections and noted limited 1080p30 decode	AC

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## **1.0 GENERAL INFORMATION**

### **1.1 Preface**

The Z3-MVP-01 is a high definition, low cost, network-enable media player. Designed to excel at playback of networked video and audio streams as well as locally stored content, the Z3-MVP-01 is the ideal solution for monitoring networked IP cameras, digital signage, video kiosks and media adaptors.

### **1.2 About the Manual**

Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

## 2.0 PARTS LIST

### 2.1 Included Parts



Z3-MVP-01



Power Supply



Video Cable (x2)



Null Modem Adaptor



Serial Cable

### 2.2 Optional Accessories



HDMI Cable



Ethernet Cable

## 3.0 FEATURES

The Z3-MVPR-01 is a high definition, low cost, network-enabled media encoder with the following features:

- Decode from stream or local storage
- Video Outputs: Composite, Component, HDMI
- On-board video scaler provides full screen with all resolutions
- Audio Outputs: Headphone
- Ethernet Interface
- SD Card for software updates and local storage options
- USB interface for mass storage devices or other peripherals
- Small footprint only 130mm x 100mm x 22mm
- Based upon Texas Instruments TMS320DM368 DaVinci Processor

## 4.0 APPLICATIONS

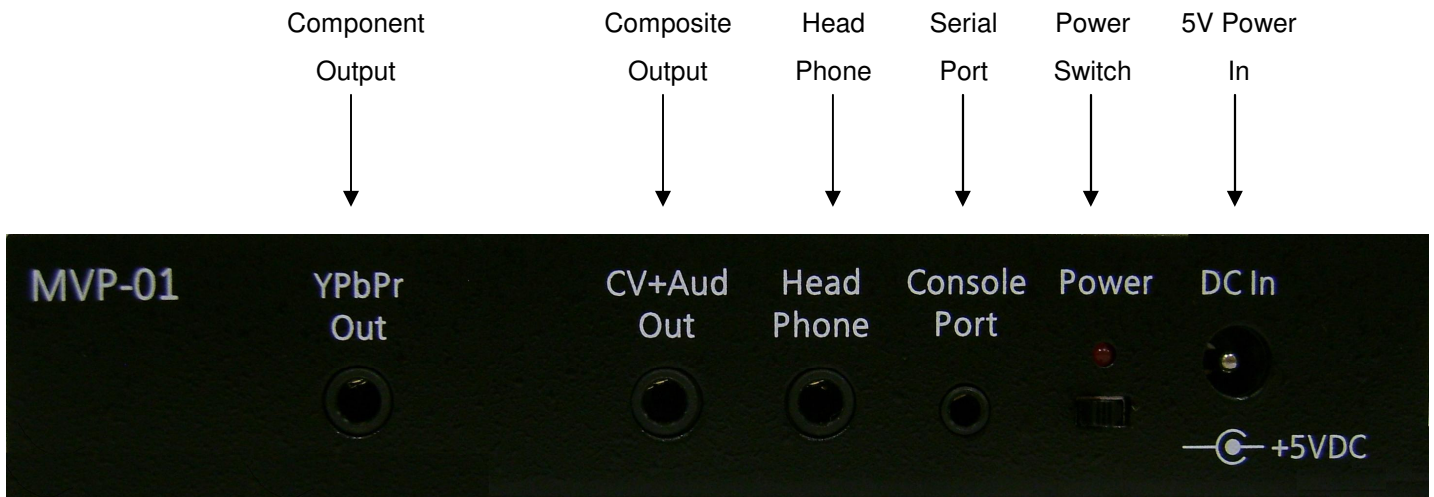
- IP Video Security and Surveillance
- Digital Signage Player/Video Kiosk
- Industrial Video decoder
- Remote Monitoring/Closed Circuit TV

## 5.0 PERFORMANCE

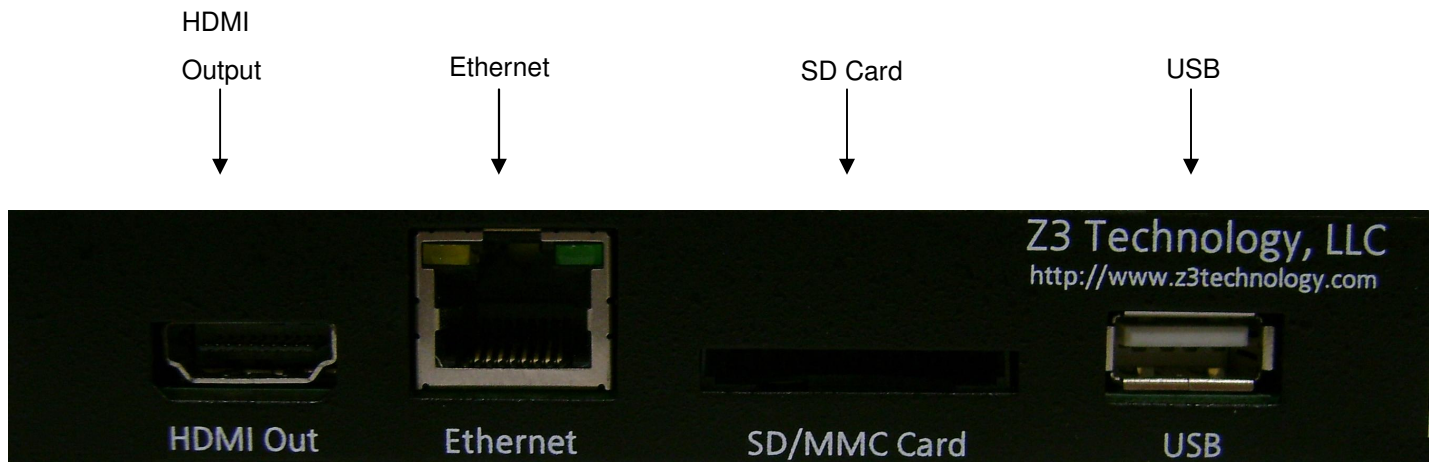
- Supports H.264 (MPEG-4 AVC) HP, MP and BP at up to 1080p30
- 1080p30 decoding is supported if the encoder was based upon TI DM368
- Supports all resolutions up to 720p30 universal decode
- MPEG-4 SP/ASP & MPEG-2 1080i30
- Supports SD, SDHC, and USB stick
- Low power consumption of 2.5W

## 6.0 OPERATING CONTROLS

### 6.1 Front View



### 6.2 Rear View



## 7.0 SERIAL CONTROL

Software communication interface via console port supports Z3's easy to use zPlayer multimedia software protocol. zPlayer enables complete control over content playback such as looping, playback on external command, ...etc.

- Plug-in serial cable from Z3-MVP-01 to PC
- Setup teraterm on PC for 115k, 8, N, 1, N, 1ms/char, 50ms/line
- Connect to proper COM port
- Connect the Power of Z3-MVP-01
- Power-on Z3-MVP-01
- Output should come immediately to teraterm console

```
Z3 Technology, LLC DM368-MOD      v02
RTSP H.264 decoder
```

```
+=====+
|          Current          |
| U - Change H.264 URL      rtsp://192.168.1.168:8557/h264
| C - Closed loop option    disabled
+-----+
| S - Start streaming       |
| W - Write configuration to flash
| X - eXit to prompt       |
+=====+
```

Enter option:

## 7.1 Streaming Operation

1. Connect supplied 5V power supply to the Z3-MVP-01
2. Plug HDMI cable from the Z3-MVP-01 to input on TV
3. Connect Ethernet from Z3-MVP-01 to a video source
4. Connect supplied serial cable to Z3-MVP-01
5. Open up a console window
6. Power on the Z3-MVP-01
7. The system menu will appear. Please use the menu to change any settings
8. Press “S” to start streaming
9. Video will appear on TV