

Tornado DMC

IPTV Player

KEY FEATURES

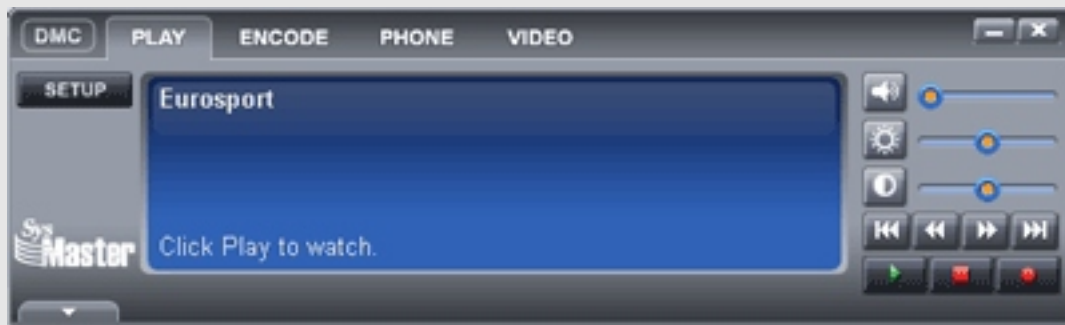
- IPTV and Video-on-Demand Playback Support
- Digital Music and Internet Radio Playback Support
- VoIP Telephony with SIP Protocol Support
- Video Content Encoding
- Camera Streaming

Product Overview

Tornado DMC is a software application for playback of IPTV, Video-on-Demand, Digital Music and Internet Radio streams on a personal computer. Designed to complement the functionality of SysMaster's awards winning Tornado M10 Digital Media Center, Tornado DMC offers user convenience and mobility. In addition to audio and video playback functionality, Tornado DMC also offers video encoding, camera streaming and VoIP Telephony capabilities.

TORNADO DMC

TORNADO DMC INTERFACE



Tornado DMC

IPTV Player

IPTV and Video-on-Demand Playback Support

The Tornado DMC application supports playback of IPTV and Video-on-Demand content delivered over the Internet to a personal computer. The player utilizes MPEG4 and H.264 video compression technologies to ensure maximum quality of the reproduced content.

Digital Music and Internet Radio Playback Support

The Tornado DMC application also supports playback of audio streams, such as Digital Music and Internet Radio. Such streams are delivered to the Tornado DMC over the Internet in MP3 format for maximum quality of the audio content.

VoIP Telephony with SIP Protocol Support

The Tornado DMC application also offers VoIP phone functionality. The application supports the SIP protocol and can work with any standard third party SIP registration server for making VoIP calls.

Video Content Encoding

In addition to audio and video playback capabilities, the Tornado DMC application offers video encoding capabilities. Users can utilize the Tornado DMC to encode personal video content in MPEG4 format. Once encoded, such video content can be reproduced directly on the user's TV screen via a Tornado M10 device.

Camera Streaming

The Tornado DMC application offers a Camera Streaming feature which allows users to stream live video content to other users within the same provider network. The Tornado DMC application captures, via an USB camera, live video content and streams it to the central servers of the service provider. The central servers then re-stream such content as a new IPTV channel to other Tornado M10 or Tornado DMC users.

100+ Over-The-Top (OTT) and Free-To-Air (FTA) Channel Support *

The server includes over 100 built-in OTT and FTA channels that allow service jump-start with a large number of pre-defined channels. In addition, the OTT channels do not require bandwidth support because the STB devices will access them directly without connecting to the Streaming server. OTT and FTA channels are great IPTV service complement that provides better channel variety and selection.

Technical Specifications

Codecs:

- MPEG4/SP Video
- H.264 Video
- MP3 Audio
- G.711 A-law / μ -law (56 & 64 kbps)
- G.711 Annex I
- G.729, G.279A
- G.726-32
- Echo Canceller (G.165 / G.168)
- Advanced Dynamic Jitter Control
- Voice Activity Detection (VAD)
- DTMF Detection and Generation

Protocols:

- SIP
- RTP / RTCP / SRTP
- UDP/TCP
- SDP



SysMaster

2700 Ygnacio Valley Rd, Suite 210
Walnut Creek, CA 94598
United States of America

Email: sales@sysmaster.com
Web site: www.sysmaster.com

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