

# MEDIACAST MEDIA APPLIANCE

MODELS: GOLD / TITANIUM / IRIDIUM / CL / VM

MediaCAST  
by Inventive Technology

MediaCAST Media Appliance is high-performance hardware providing streaming and storage for video, audio and digital media assets.

## OVERVIEW.

MediaCAST® Media Appliances™ stream high-quality video, audio and other digital media assets. Media stored on Media Appliance arrays are available on-demand for many people to view simultaneously. The streaming capacity is based on the model.

Media Appliance live broadcast feature allows video from MediaBroadcaster™ encoders to be received over the IP network for distribution and redirection. This is needed to enable multicast live broadcasts for Internet viewing via a unicast public accessible stream. Live streams can also be redirected through centralized Media Appliances for capture. The built-in tools provide load-balancing to distribute the load across different parts of a non-multicast enabled network.

Media Appliances utilize Microsoft® Windows Server, along with streaming server applications. They can be configured to support Windows Media® Streaming, Adobe® Flash®, QuickTime®, H.264, MPEG 1/2/4 and Real Network®.

## VIRTUALIZATION DEPLOYMENT.

Media Appliance Virtualization is available and utilizes industry-leader VMware® technology. The Media Appliance Virtualization edition can be deployed in conjunction MediaCAST Master Controller VM edition and a client's existing virtualization infrastructure with high-speed SAN hardware used for storage and streaming.

Large enterprise deployments are supported by locating multiple Media Appliance VMs at one or more data centers on one or more SANs. This architecture is extremely scalable and prevents downtime in the event of a data center problem, network gear or hardware failure.



Media Appliance models are available to support the full-range of industry-standard video and audio formats. All models support multiple formats and are easily upgradable with non-proprietary parts and new software releases.

### Video/Audio

- H.264/AVC
- Windows Media
- Flash
- Mpeg 1/2/4
- WebM (VC8) coming soon
- \*additional media and content formats supported but not listed.*

### Live Protocols

- Multicast and unicast
- http, mms, UDP, RTSP, RTP, RTMP

MediaCAST Media Appliances stream high-quality video, audio and other digital media assets. Its scalable storage and streaming architecture is easily expandable as demands grow.

### Performance & Scalability

MediaCAST Media Appliances are available in configurations ranging from 100 to 500 concurrent on-demand streams based on DVD-quality at 2Mb/s. They support broadband up to HD-quality video. Configurations include from 1,000 to 10,000 hours of video storage. Storage can be expanded by adding one up to six MediaCAST Media Monsters™ per Media Appliance. This scalable architecture provides up to 144TB (175,000 hours) of video storage in each media server farm. Multiple media server farms are supported with MediaCAST Enterprise module. It provides load-balancing and content replication for expansion in number of concurrent streams and/or storage capacity.

#### Media Appliance Models:

MCAST-MA-IRID (3.6TB)

MCAST-MA-TITAN (2.7TB)

MCAST-MA-GOLD (1.2TB)

MCAST-MA-CL6 (6TB for 3<sup>rd</sup> party content library storage, without Media Appliance upload license)

MCAST-MA-CL8 (8TB for 3<sup>rd</sup> party content library storage, without Media Appliance upload license)

MCAST-MA-VM (Virtualized for up to 500 streams, available for approved SAN and VMWare® deployments)

MCAST-MA-LIVE (live multicast upgrade)

MCAST-MA-H264FLA (Flash and H.264 live and on-demand)

## SPECIFICATIONS.

### Software

MediaCAST Media Appliance applications come pre-installed on the hardware or client-provided hardware options available

### Performance

-Broadband to HD-quality streaming. Rated for 600Mb/s throughput giving 300 on-demand (unicast) streams at DVD-quality of 2Mb/s. Higher streaming capacity at lower quality. (Gold, Combo and CL models rated at 400Mb/s)

-VM model licensed up to 500 streams each with the number of streams based on SAN throughput and video viewing quality.

### Hardware

-Chassis: 2U rack mount with slide-out racks

-CPU: Quad Core 2.66GHz+ Intel series Xeon

-RAM: 2GB (expandable up to 8 DIMMs)

-Storage: RAID 5, 15k rpm SAS/SCSI arrays (CL models are RAID 5, SATA 7.2k rpm)

-Local Area Network: 2 x Gigabit Ethernet

-Miscellaneous: DVD-ROM drive, USB keyboard and mouse ports

**Dimensions** 26.8" (68.07cm) D x 17.5" (44.43cm) W x 3.4" (8.64cm) H with Bezel

**Weight** 45-63 lbs.

### Power

Redundant power supplies Energy Smart 570 Watt load-balanced with 2 power cords, 110/220v, normal operating load 443VA

### Warranty

3-Years, Next Business Day On-Site Parts and Labor Enhanced warranty terms available