HS-1600T MARK II

4-Channel HD/SD HDBaseT Portable
Video Streaming Studio

datavideo

Features

- Portable & compact 4-channel HDBaseT Switcher
- Dual streaming encoder to send live video to two CDN platforms such as YouTube and & Facebook
- Built-in H.264 Recording to SD card
- Single Cat6 cable provides power, video, camera control and tally to cameras
- Control pan, tilt, zoom and memory presets for up to 3 cameras.
- HDMI Input for computer presentations or adding lower 3rd titles with loop thru
- High-quality Neutrik locking ethernet ports for cameras
- Quadview 17" high-quality broadcast preview monitor
- Video effects including: Lumakey, PiP window, and Split Screen
- XLR audio input to embed audio from your mixer

Overview

The HS-1600T Mark II is an all-in-one live video production and streaming solution designed with a single operator in mind. This HDBaseT switcher uses a single Cat6 cable to provide power, video, camera control and tally lamp, in a compact and portable footprint. The HS-1600T Mark II brings a new level of simplicity to production workflows. You'll set up faster and easier thanks to its portable "briefcase" design and HDBaseT Technology. And thanks to its built-in H.264 web streaming encoder, you can stream your show to virtually any CDN like YouTube and Facebook at the same time. This increase in flexibility greatly reduces setup time, allowing you to mount the cameras in challenging locations (like spots without nearby power outlets) It's volunteer and novice friendly allowing you to produce and stream any live event meeting, tradeshow, townhall, government event, worship, sports, and musical performances.

Recommended Accessories

Datavideo:

- Wall Mount: WM-1(W)
- HdBaseT Cables
- Camera case: HC-800FS or HC-800F
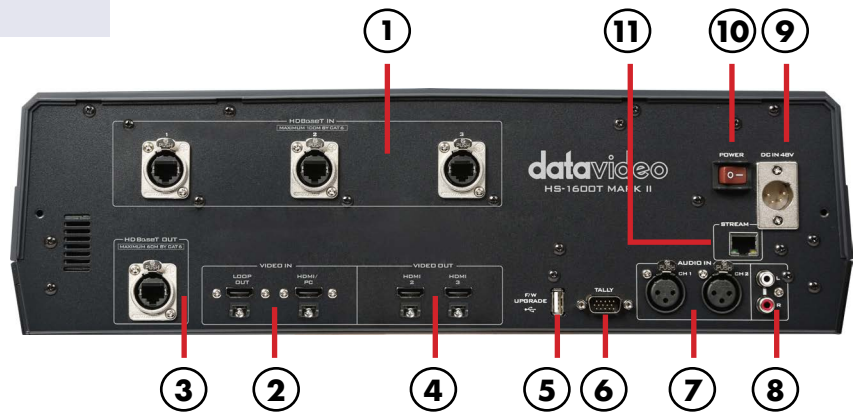- Compatible Cameras: PTC-140T, PTC-140TW, PTC-150TL, PTC-150TLW

3rd Party Case Options:

- Gator Cases Part # GU-2217-08-WPDF
- Pelican Cases Part # 1610WF
- Pelican Cases Part # iM2720-X0001

HS-1600T MARK II
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Rear Panel I/O Function

1. HDBaseT Port IN x 3
2. HDMI Video IN
3. HDBaseT Port OUT x 1
4. HDMI Video OUT x 2
5. USB F/W Upgrade Port
6. TALLY Output Port
7. AUDIO IN – XLR Balanced CH1/CH2
8. AUDIO IN – Stereo RCA (Left/Right)
9. DC IN
10. Power Switch
11. Stream Port

Front Panel

1. Stream to Facebook Live, YouTube, Twitch, and more
2. Built-in H.264 recorder for SD cards
3. Volume control
4. Preview Program
5. Menu / Power control.
6. Built-in camera control.
7. Switcher / Transitions control.

Installation and Cable Recommendations

Minimum cable requirements:
1. CAT5e solid core ethernet cable

Recommended cabling for HDBaseT:
2. CAT6 or higher, solid core shielded ethernet cable

HS-1600T is compatible with Neutrik® etherCON CableConnector Carriers.
Listing below of specific connector models:
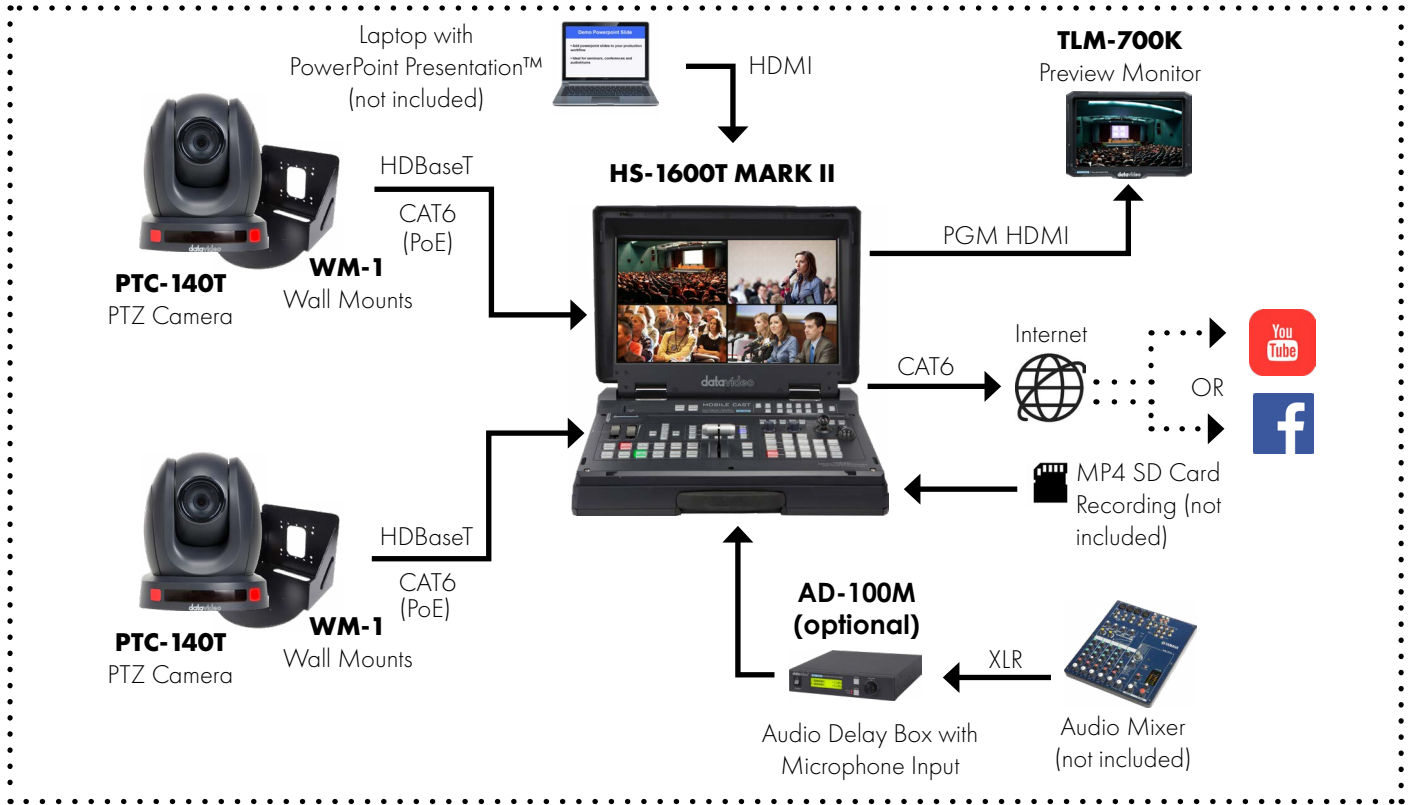
1. NE8MX-1
2. NE8MX-B
3. NE8MX-B-1

Recommended SD Cards

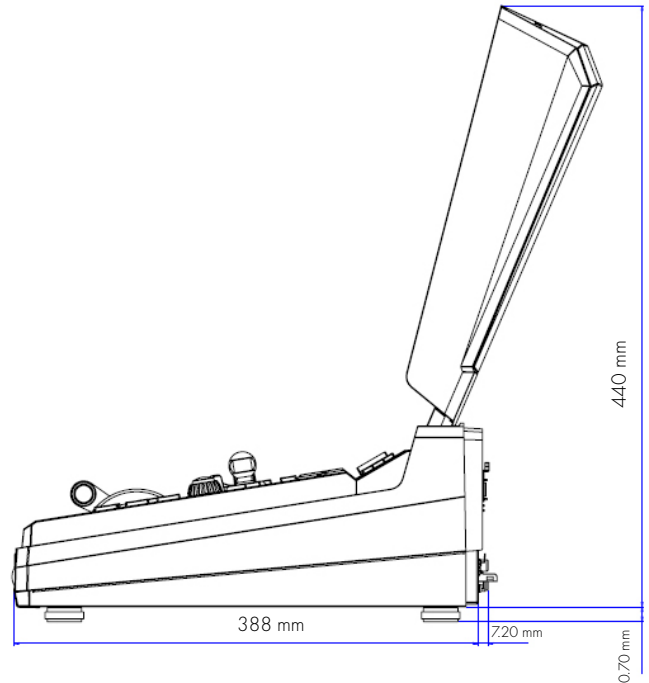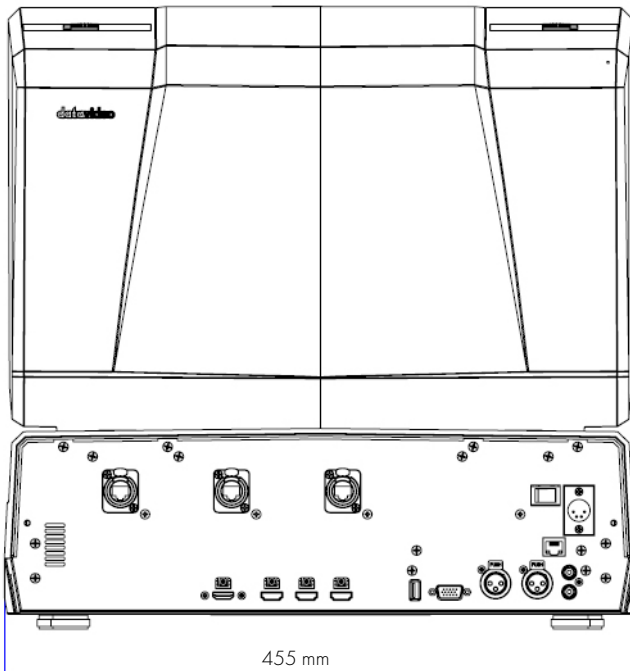|		
KINGSTON	SDHC C10	16GB
SANDISK Extreme	SDXC C10 U3 V30	64GB
SONY	SDXC C10 U1	64GB
SANDISK Extreme PRO	SDXC C10 U3	128GB
SONY	SDXC C10 U3	64GB
TOSHIBA	SDHC C10	16GB
SANDISK Extreme	SDHC C10	16GB
SANDISK ULTRA®	ULTRA SDHC SDXC UHS-I	128GB
ADATA Premier Pro	microSDXC UHS-I	64GB
	U3 Class 10	

HS-1600T MARK II

**4-Channel HD/SD HDBaseT Portable
Video Streaming Studio**

Workflow

Laptop with
PowerPoint Presentation™
(not included)

HDMI

TLM-700K
Preview Monitor

PTC-140T
PTZ Camera

WM-1
Wall Mounts

HDBaseT
CAT6
(PoE)

HS-1600T MARK II

PGM HDMI

CAT6

Internet

OR

MP4 SD Card
Recording (not
included)

PTC-140T
PTZ Camera

WM-1
Wall Mounts

HDBaseT
CAT6
(PoE)

**AD-100M
(optional)**

XLR

Audio Delay Box with
Microphone Input

Audio Mixer
(not included)

Dimensions

All measurements in millimeters (mm)

455 mm

388 mm

7.20 mm

440 mm

10.70 mm

Specifications

Model Name	HS-1600T MKII
Product Name	4-Channel HD/SD HDBaseT Portable Video Streaming Studio
Video Standard	HD & SD
Video Format	1080p 50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz 576i/p 50Hz 480i/p 59.94Hz
Input Routable / Crosspoint	N/A
Video Input	3 x HDBaseT 1 x HDMI
Computer Graphical Interface	1 via HDMI
Down-Converted Output	Yes
Video Output	3 x HDMI PGM 1 x HDBaseT (RJ-45) 1 x Stream Port (RJ-45)
Analogue Audio Input	2 x Balanced XLR 1 x Stereo RCA (L/R) De-embedded Digital Audio
Analogue Audio Output	1x Stereo headphone
Digital Embedded Audio Support	Input :2 Channel Output: 2 Channel
Audio Delay Calibration	N/A
A+V Switching	N/A
USK	1x USK Lumakey support
DSK	N/A
Picture in Picture	1
Logo Insertion	N/A
Built-in Audio Mixer	Yes, 4 Channels
Built-in Monitor Display	17.3" HD TFT LED backlit, 1920x1080 pixels
Built-in Intercom & Tally	N/A
Streaming Video Encode	H.264 / AVC, Main/ High Profile Configurable Bit-rate up to 10Mbps
Streaming Audio Encode	AAC-LC Configurable bit rate ranging from 32Kbps to 384Kbps Sample rate: 48KHz, 16bit
Streaming Protocol	TS over TCP/UDP (unicast & multicast) RTSP over HTTP/TCP/UDP (RTSP Elementary Streaming) RTMP/RTMPS (Publish)
Streaming Control	Web browser UI for configuration and control Socket commands
Recording File System	FAT, exFAT, NTFS
Recording File Format	MP4
Recording Setting Control	Web UI for system configuration and control
Dimensions (LxWxH)	455 x 355 x 134 mm
Weight	17.2 Lbs (7.8 Kg), Reinforce Plastic Case
Accessory	CB-60/61/62
Dimensions (LxWxH)	455 x 355 x 134 mm
Weight	17.2 Lbs (7.8 Kg), Reinforce Plastic Case
Power	DC 48V, 4.16A
Operating Temp. Range	0~40 °C

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4-Channel HD/SD HDBaseT Portable
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What's in the Box

- 1 x HS-1600T Mark II Product
- 1 x AD Switch DC 56V with AC Cord
- 3 x Ethernet Cables (55in. / 140cm)

Available Documents to Download

1. Datasheet
2. Instruction Manual
3. Cutsheet
4. How to stream to Facebook Live Instructions
5. IP commands
6. Wall Mount Setup Instructions
7. Camera Connection Instructions

Applications

- Live Event Meeting
- Tradeshow
- Townhall
- Government Event
- Worship
- Sports
- Musical Performances.

For more info, visit www.datavideo.com/hs1600tmk2

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