



Datavideo HS-1650T

ProdCode: DATAHS1650T

HDBaseT Portable Tracking and Streaming Studio



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Features

- HDBaseT Portable Tracking and Streaming Studio
- Smart Production with AI Auto Tracking
- Innovative User Experience: 14-Inch Touchscreen
- Made with HDBaseT Technology
- Built-in Camera Control
- Built-in H.264 Recorder for SD Cards
- Dual Stream Encoder to Facebook Live, YouTube, Twitch, and More
- Built-in Subtitle and Logo Overlay
- Built-in Audio Mixer

Smart Production with AI Auto Tracking. Your Live Studio in a Box

Datavideo HS-1650T is a compact 4-channel HDBaseT production studio designed for live events, education, and conferences. It combines video switching, streaming, recording, camera control, and audio mixing in one portable unit.

The intuitive 14-inch touchscreen enables real-time PTZ and auto-tracking control. With HDBaseT technology, a single Cat-6A cable delivers video, power, control, and tally up to 100 meters.

Additional features include XLR/RCA audio inputs, 3 HDMI outputs, Picture-in-Picture effects, and a 17.3-inch multi-view monitor. Firmware upgrades allow future feature expansion without hardware changes.

All You Need in One Case

The HS-1650T brings together six powerful production features—switching, streaming, recording, audio mixing, monitoring, and camera control—all in a rugged, portable case. Whether you're live broadcasting from a conference room, auditorium, or remote site, this all-in-one system gives you full production control at your fingertips. No more complex setups. Just plug in, power on, and go live.

Innovative User Experience: 14-Inch Touchscreen

With its 14-inch touchscreen, the HS-1650T redefines control. Effortlessly switch scenes, adjust PTZ cameras, and frame your subject with AI tracking—no buttons, no limits.

Efficient 4-In / 4-Out Video Integration

HS-1650T offers four video inputs (3 x HDBaseT and 1 x HDMI) and four video outputs (2 x HDMI, 1 x HDBaseT, and 1 x HDMI Loop Out), making it ideal for building a clean and efficient video setup in small to medium-sized venues. This streamlined configuration helps you deliver professional, high-quality live productions with ease.

Picture-in-Picture (PIP) Function

HS-1650T supports flexible PIP display, allowing users to assign any source as a sub-window. The size, position, and border of the sub-window can be freely adjusted,

enhancing your video layout with layered visual storytelling.

Variety of Video (4:4:4 10-bit) and Audio Inputs/Outputs

- 4 video inputs (RJ-45 x 3 + HDMI x 1)
- 4 video (HDMI x 3)+HDBaseT outputs
- Video Sampling in 4:4:4 10-bit
- Audio inputs: XLR Analogue x 2 + RCA Analogue (L/R) x 2

Made with HDBaseT Technology

Camera connections typically require one cable for video, a second cable for power, and a third one for control. However, the HS-1650T is able to do all of the above using only one ethernet cable for each camera.

This increase in flexibility greatly reduces setup time, and now you can mount the camera in challenging locations (like spots without nearby power outlets).

Built-in Camera Control

The HS-1650T design saves you time, money, and table space with its built-in camera control interface for up to 3 Datavideo PTZ cameras.

Advanced PTZ Control

HS-1650T features a built-in PTZ camera control system that supports simultaneous operation of up to three Datavideo PTZ cameras. Users can directly manage functions such as zoom, pan, tilt, and video format settings.

Touchscreen Camera Parameter Control

Use the touchscreen to adjust key camera settings including white balance, focus, shutter, and iris—all with a tap.

Joystick-Based PTZ Control

The joystick lets you easily pan, tilt, and zoom PTZ cameras, with adjustable movement speed for smooth and precise control.

Store Up to 12 Camera Presets

Control up to 3 Datavideo PTZ cameras, with 4 preset positions per camera—totaling 12 memory presets. Instantly recall any shot with a single button press, no manual

adjustment or camera operator needed.

Built-in H.264 Recorder for SD Cards

The HS-1650T comes with a built-in web-ready recorder. Simply insert your SD card, and you'll have video files that can be immediately uploaded to the video network of your choice or to your website.

Dual Stream Encoder to Facebook Live, YouTube, Twitch, and More

With the built-in H.264 streaming encoder, you can stream your show to two different streaming platforms virtually any CDN including Facebook, YouTube or Twitch in no time.

Direct Access to Auto Tracking Features

Gain immediate access to the auto tracking feature using a range of external controllers.

Beyond traditional camera controls, activating auto tracking on the HS-1650T is also straightforward and convenient.

Smart PTZ Speed Adaptation

The integrated PID algorithm is able to detect the movement speed of the identified object and automatically adjust the camera's corresponding pan, tilt and zoom speeds in such a way that the lens movement will be smooth, avoiding common camera lens movement problems like jerky movements or unpredicted halts.

Quick Access to Framing Options

All Datavideo PTC Camera with AutoTracking include the RMC-1AT controller. User can quickly select full-body , half-body and close up framing, making it easy to change the shooting scene and framing requirements.

Custom AI Object Tracking

If you are filming multiple people, you can designate a person for Auto tracking. Once linked to the camera, only the designated person will be tracked, avoiding interferences such as the desks, people coming back and forth, large objects, etc.

3 Speed Settings: Fast, Medium, and Slow

Auto-tracking can be set to operate at three different speeds: Fast, Medium, and Slow. This flexibility supports various filming techniques used in broadcasting, ensuring that PTZ cameras can match the dynamic video effects presented by professional video cameras.

17.3-inch LED Backlit Monitor

HS-1650T features a built-in 17.3-inch TFT LED display with a resolution of 1920 x 1080 pixels, providing clear and detailed visuals for users to operate all system functions with ease and precision.

HDMI Loop-Out for External Monitoring

HS-1650T includes an HDMI loop-out port, allowing the input signal to be passed through to an external display. This makes it easy for operators to monitor content from a connected laptop or source device, streamlining workflow and improving operational efficiency.

Built-in Subtitle and Logo Overlay

HS-1650T features a built-in subtitle and logo overlay function. By connecting an external laptop, users can easily input and display custom text captions and logo graphics during live production.

Built-in Audio Mixer

HS-1650T includes a built-in audio mixer that allows real-time balancing and mixing of up to four audio input channels while managing video production. It streamlines your workflow by handling both audio and video processing in one integrated system.

Support SRT Streaming Protocol, no Need to Worry About Unreliable Network Environment

Many broadcasters have experienced pixelated video during live streaming, often due to unstable network environments caused by bandwidth volatility.

Streaming RTMP over unreliable, low-bandwidth networks can cause issues.

With dvCloud, you can now replace the RTMP protocol with SRT, which will fix most streaming issues you may have.

SRT is better than RTMP because it handles problematic networks more efficiently. It requires less bandwidth, and it solves data errors faster.

As a result, your viewers will experience a better stream, with less buffering and pixelization.

In the box:

- 1x HS-1650T
- 1x AD Switch DC 56V with AC Cord
- 3x Ethernet Cable

