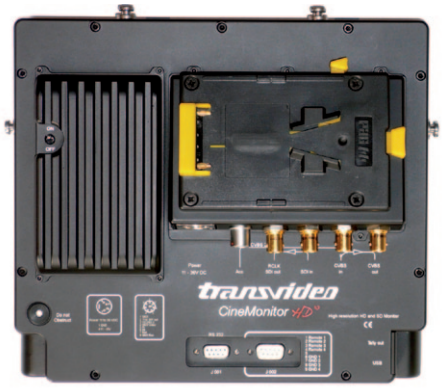
Transvideo Titans, Monitors and More

TitanHD
Transmitter

TitanHD Receiver
with 5 antennas

CineMonitorHD10 SB



JD and JP must be mad about Greek mythology. JP named his latest camera Penelope, the long-suffering wife who waited twenty years for Odysseus to return home. JD named his latest wireless system after the twelve Titans who ruled the earth (before a hostile take-over by the younger Olympians).

Since we are interested in all things Dutch at IBC, perhaps Jacques Delacoux named his Transvideo TitanHD after the largest moon of Saturn. It was discovered in 1655, by Dutch astronomer Christiaan Huygens *(right)* a mere 13 years after Rembrandt painted "The Night Watch" .

Transvideo's new TitanHD is a wireless transmitter-receiver system for HD and SD production, tested outdoors up to 80 meters (just shy of a football field). On a film set, you could use it to send a high quality HD video assist signal wirelessly from camera to on-set monitors and video village. A TitanHD transmitter could be attached onto an Arricam or Arriflex 435 with HD IVS, to an Aaton with its double resolution progressive scan SD video-assist, or to any RED, BLUE, D21, or F35.

For video production, the TitanHD transmitter attaches directly between on-board battery and the camera's V-lock. It transmits without loss of quality or signal strength. The receiver mounts to a C-stand and most other supports. The TitanHD is a 5 GHz ISM band COFDM MiMo wireless system. Think of it as your Apple Airport Extreme IEEE 802.11n WiFi on steroids for video, with data rates up to 1.5 GB/s. *5 GHz ISM* is the Industrial, Scientific and Medical radio band from 5.725–5.875 GHz. *MiMo* means Multiple-Input Multiple-Output, and addresses the problems of interference, reflections, echoes, coverage holes, and dead spots. All those antennas on the receiver help. You're probably all too familiar with dead spots as you prowl the halls of IBC: you might see a 5-bar signal on your iPhone and then a few steps away all you hear is static.

COFDM stands for Coded Orthogonal Frequency Division Modulation, which combines line-of-sight, bounced, and reflected signals (all arriving at different times) into one good, clear signal. The TitanHD transmits and receives up to 1080p 24 to 30 fps HD/SDI 4:2:2 RGB 10-bit signals in RGB or YPrPb color spaces, as well as SD PAL, SECAM or NTSC composite. With a latency (lag) below 5 mS, it provides real-time monitoring along with 2 audio channels embedded in the SDI or balanced analog inputs, and metadata. Both the transmitter and receiver can be powered by camera battery or external 10 - 30 VDC. The TitanHD supports Cooke/i lens data and a 4:4:4 version is coming.

Bridging the gap between 8 inch and 12 inch, the 10 new inch Transvideo CineMonitorHD10 SB is the latest addition to the non mythologically-named but still legendary Transvideo line of award-winning high-end production monitors. The rugged 10" diagonal CinemonitorHD10 SB (SB stands for SuperBright) was initially designed for helicopter and aerial cinematography, but is also intended for camera car, remote head and Steadicam operators. Because it is compact, light, and very bright (1000 Nits), you can see a clear, sharp and accurate image even in bright daylight.

Notice in the picture *(bottom, left)* that there's a very useful V-lock battery receptacle to power the CineMonitorHD10 SB from an on-board camera battery. An Anton/Bauer mount is also available on request. You can also power it externally with 11-36 VDC. With its accessory carbon fiber handles, you can carry this monitor around on set, put it on your lap or mount it to a C-Stand using its accessory U-bracket. Inputs: 1x HD/SDI with Rck out, 1x Composite (PAL/NTSC) with loop-through, and 1 Multi (YPr/Pb/RGB/CVBS). It weighs 2.6 kg / 6.39 lbs and draws 25 W.

At IBC, Transvideo will present a number of other new products and updates. The new CineMonitorHD/i will support Cooke /i technology with lens data displayed on screen and remote control of the Cooke 5/i series lenses. You'll be able to freeze, store, recall and superimpose /i lens data, monitor voltage, read timecode, monitor audio, check focus and lots more.

Transvideo will also exhibit a new, compact HD SD Video Distributor designed for HD Stereography and Digital Cinematography. Finally, haute couture meets practical production necessity: your CineMonitorHD 6″ or 8″ can now be carried and coddled in a beautiful, padded shoulder bag.