Imagination has a New Dimension

TS-2
Production 3D Rig
PERFECTLY ALIGNED WITH YOUR IMAGINATION
TS-2
Technical Data

Designed by cinematographers and engineers, this fully motorized beam-splitter accommodates a variety of cameras and lenses. Whether you are shooting a feature film, sporting event, or a documentary, the TS-2 is the answer to quick and accurate setups, allowing you to shoot 3D on a 2D schedule. 3ality’s calibration software is sophisticated, powerful and easy to navigate, providing you with matching zooms and smooth tracking for every shot. In addition, 3ality’s proprietary software captures positional data every six milliseconds. Use the metadata to integrate actual camera data into your computer generated environments seamlessly. Whatever you can imagine, 3ality makes possible.

**Dimensions**
- **Length**: 670 mm (26”)
- **Width**: 600 mm (24”)
- **Height**: 700 mm (28”)
- **Frame Width**: 380 mm (15”)

**Interaxial Range**
- Right eye camera movement: 0” to 6” (150 mm)

**Convergence Range**
- Convergence each camera: -1° to 3°
- Min. Convergence Distance @ 5” IA: 2 ft

**Camera Type**
- Sony HDC-P1 RED Epic
- Sony HKC-T950 RED Scarlet
- Sony HKC-T1500 RED Dragon
- Sony HKC-T1500-R SI2K
- Panavision Genesis Ikegami HDL-51
- Panasonic AK-HC1500G
- Other small full-body cameras with extender for camera support

**Height/Pitch Adjustment**
- **Height Range**: ± 10.8 mm
- **Pitch Range**: ± 3.8°

**Mirror Dimensions**
- **Glass Thickness**: 6 to 6.5 mm
- **Mirror Box Width**: 600 mm (24”)

**Accuracy**
- **Plane Flatness**: Absolute rail deviation end to end ± 0.05 mm
- **Height Pitch Unit**:
  - **Drive Accuracy**: 3 µm
  - **Encoder Accuracy**: 1 µm

**Interaxial Drives**
- **Drive Accuracy**: 3 µm
- **Encoder Accuracy**: 1 µm

**Encoder**
- **Operating Temperature Range**: 0°C to 55°C
- **Feedback Method**: Linear encoder, on final stage (post gearing, etc.)
- **Drive Speed**: 50.8 mm/s (2°/s)

**Loads and Weight**
- **Rig weight w/o camera**: 31.7 kg (70 lbs)
- **Power Requirements**
  - Voltage supply to Rig: 12-18V DC @ 4.5A

55 E. Orange Grove Avenue Burbank, CA 91502 USA  +1.818.333.3000  fax +1.818.333.3001
sales@3alitytechnica.com  www.3alitytechnica.com
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