



FSTS-70

Fast Stabilized Tracking System



FSTS-70 is a fast tracking platform for industrial experimental speed video recording

THE PLATFORM INCLUDES:

- Up to 70 Kg payload Gyro Stabilized Pan Tilt
- IP66
- Time Synchronization GPS (IRIG-B)
- Global shutter x36 Full-HD camera
- TV Tracker System with Embedded AI
- True North INS system
- Control Software with geo-position, mapping, route planning

Aluminum light camera housing support with balancing rails and SAPHIRE window:

- Two fast cameras (Phantom V2640/4K /Photron) + Lens
- Cannon EOS camera + Lens
- SONY video CAMCODER
- Bronze connectors & Cables
- High power supplier (24VDC - 40A)

OVERVIEW Fast Stabilized Tracking System



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Cannon EOS 1D
15-200mm

TV Tracker X36 Global Shutter
IRIG B
INS True North

SONY FDR-AX53 4K

Photron
Fastcam NOVA R5

PHANTOM V2640
100-600mm

Gyro Stabilized PTU
Up to 70Kg Payload

DESCRIPTION Fast Stabilized Tracking System

GYRO STABILIZED PTU

MOTION RANGE

AZIMUTH $n \times 360^\circ$ ELEVATION $\pm 40^\circ$ (optionally up to $\pm 95^\circ$)

ANGULAR SPEED

AZIMUTH 0.005 %/s to 120 %/s (0.005 %/s to 30 %/s)*

ELEVATION 0.005 %/s to 100 %/s (0.005 %/s to 30 %/s)*

TV TRACKER X36

OFFERS REAL-TIME FULL HD VIDEO OUTPUT AND A POWERFUL 36X OPTICAL ZOOM

(32X DIGITAL ZOOM) SONY GLOBAL SHUTTER CMOS SENSOR OF THE CAMERA ALLOWS THE CAPTURE OF MOVING OBJECTS WITHOUT THE DISTORTION THAT CAN OCCUR WITH ROLLING SHUTTERS

EMBEDDED DUAL CHANNEL TRACKER

TRUE MULTI-CHANNEL PROCESSING

THREE DIGITAL VIDEO INPUTS SUPPORTING UP TO 4K VIDEO

VIDEO OUTPUTS: H.264/H.265 IP STREAMED ENCODED (MULTIPLE STREAMS), HDMI, AND HDSDI

QUALCOMM MULTI-CORE ARM BASED

IRIG.B

PULSE RATE (OR BIT RATE) 100 PPS; INDEX COUNT INTERVAL 10 ms

SONY FDR-AX53 4K

4K ULTRA HD (3840x2160) RECORDING

BALANCED OPTICAL STEADYSHOT WITH 5-AXIS INTELLIGENT ACTIVE MODE

26.8mm WIDE-ANGLE ZEISS VARIO-SONNAR T*LENS

20xOPTICAL ZOOM WITH 30x/40x (4K/HD) CLEAR IMAGE ZOOM

CANNON EOS 1D MKIII 15-200MM

20 MEGAPIXEL FULL-FRAME SENSOR

5.5K RAW VIDEO

FILMMAKING AT 4K/60P

DUAL PIXEL CMOS AF

FASTCAM NOVA R5-4K

MAX.FRAME RATE 200,000FPS (NOVA R5-4K) FAST10-GIGABIT ETHERNET

INTERFACE PROVIDES CAMERA CONTROL AND HIGH-SPEED IMAGE

DOWNLOAD TO STANDARD PC



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DIMENSIONS (mm)

