

SHOWTECH PRESENTS

ECLIPSE

MOBILE PRODUCTION UNIT

A compact, self-contained control room for broadcast, streaming and live events - available for rental or acquisition.

AVAILABLE FOR RENTAL OR PURCHASE

showtech.tv | (865) 401-6600



Built for Live Production

A complete production environment in a compact 24-foot mobile footprint.



Eclipse integrates production switching, camera control, audio, communications, replay, graphics, recording and transmission into one ready-to-deploy unit. It is sized for venues where a full-size truck is impractical but a true control-room workflow is still required.

24'

TRAILER LENGTH

8'

TRAILER WIDTH

9'

OVERALL HEIGHT

50A

4-WIRE POWER

Deployment Advantages

- Fast setup with systems permanently integrated and tested
- Multiple operator positions for production, audio, engineering and replay
- Three rooftop air-conditioning systems and distributed UPS protection
- Field cabling, fiber, stage rack and conversion packages included

A Real Multi-Position Control Room

Routing, monitoring and operator positions designed for efficient live production.



Production Core

- ATEM Constellation 8K live production switcher
- ATEM 2 M/E Advanced Panel
- AJA Kumo 64 x 64 3G-SDI routing
- Dedicated ATEM camera control panel
- Hardware routing and monitoring control

Integrated Monitoring

- Three 43-inch Samsung displays
- Blackmagic SmartView 4K and Duo monitors
- SmartScope and Tektronix waveform monitoring
- Dedicated engineering and confidence displays
- Flexible multiview configurations

Operator Workflow

- Production and technical-direction positions
- Camera shading and robotic-camera control
- Dedicated graphics, replay and engineering systems
- Independent audio position with studio monitoring
- Rack and utility monitoring throughout

Fiber-Based 4K Camera Package

Studio, handheld and robotic camera workflows with remote paint and field support.



Camera Systems

- 4 x Blackmagic URSA Broadcast G2 cameras
- 4 x Studio Fiber Kits and 4 x Camera Fiber Kits
- 3 x URSA Studio viewfinders and 1 x ENG viewfinder
- 4 x Panasonic robotic PTZ cameras
- Dedicated ATEM camera control panel

Lens Package

- Fujinon XA20sx lens
- Canon J22ex7.6 lens
- Canon J11ax4.5 wide-angle lens
- Canon J33ax15 long lens
- Large camera chip chart and field test monitors

Field Connectivity

- 2 x 300-foot SMPTE camera fiber
- 2 x 500-foot SMPTE camera fiber
- 800-foot six-strand tactical fiber
- 16-channel bidirectional 3G-SDI fiber mux
- Additional camera capacity available as required

Integrated Audio and Digital Intercom

A dedicated audio environment with Dante, MADI, stage I/O and production communications.



Audio

- Allen & Heath Avantis with Dante and MADI
- Allen & Heath Dante stage box
- RCF studio monitors and audio monitoring
- Shotgun microphones and analog XLR package

Communications

- 4 x Green-GO 32-channel rack panels
- 8 x Green-GO wired beltacks
- 2 x Green-GO Dante interfaces
- Flexible integration with external comms systems

Recording and Metering

- Atomos Shogun Studio 2 multichannel recorder
- TC Electronic audio metering
- Marshall and Blackmagic audio monitors
- Dedicated audio computer and utility monitoring

End-to-End Content Workflow

Dedicated systems for playback, recording, replay, graphics and contribution transport.



Replay and Graphics

- 2 x custom workstations for graphics, vMix and replay
- Apple Mac mini M1 graphics system
- Blackmagic UltraStudio HD interface
- Key/fill and SDI workflow flexibility

Recording

- 6 x Blackmagic HyperDeck Mini recorders
- Atomos Shogun Studio 2
- Multichannel ISO and program recording workflows
- Central routing supports flexible record assignments

Transmission and Network

- Teradek Slice encoder
- Peplink Balance 310X router
- 10G and PoE-capable managed switching
- Wired and wireless network infrastructure
- Client transmission workflows configured per event

Ready to Deploy

Power, HVAC, network, fiber and utility packages travel with the unit.



Trailer and Power

- 24-foot trailer with upgraded 5,200 lb axles and newer tires
- 50A 4-wire shore-power cable
- Four UPS systems protecting critical equipment
- Manual leveling jacks, blocks and wheel chocks

Environmental

- 2 x Dometic FreshJet 13.5K rooftop air conditioners
- 1 x Dometic FreshJet 15K rooftop air conditioner
- Compact enclosed control-room environment
- Distributed equipment cooling and rack ventilation

Field Packages

- Dante/analog/SDI/network stage rack over fiber
- SDI, XLR, Ethernet and converter/adaptor kits
- Tactical fiber and SMPTE camera cable inventory
- Patch cables, barrels, jumpers and field accessories

Production, Cameras & Monitoring

Primary installed and field equipment. Quantities reflect the updated supplied inventory.

PRODUCTION AND CAMERA SYSTEMS

ATEM Constellation 8K	1
ATEM 2 M/E Advanced Panel	1
AJA Kumo 64x64 3G-SDI router	1
AJA Kumo CP2 control panel	1
ATEM Camera Control Panel	1
Blackmagic Smart Control panel	1
Lenovo mini PC - ATEM control	1
Touchscreen - ATEM control	1
URSA Broadcast G2 cameras	4
Studio Fiber Kits	4
Camera Fiber Kits	4
URSA Studio viewfinders	3
URSA ENG viewfinder	1
Panasonic robotic PTZ cameras	4
Panasonic RP150 controller	1
Fujinon XA20sx lens	1
Canon J22ex7.6 lens	1
Canon J11ax4.5 wide-angle lens	1
Canon J33ax15 lens	1

MONITORING, SCOPES AND RECORDING

Samsung 43-inch monitors	3
Blackmagic SmartView 4K	4
Blackmagic Duo monitors	4
Blackmagic SmartScope monitors	2
Blackmagic HyperDeck Mini	6
Samsung computer monitor	1
Dell monitors	3
Lenovo 32-inch monitors	2
FeelWorld rack monitors	2
Tektronix WFM5000 scope	1
Hisense 40-inch monitor	1
Seetec field monitors	2
Decimator six-way multiviewer	1
Blackmagic SDI distribution amplifiers	2
Marshall AR-DM51-B audio monitor	1
Blackmagic Audio Monitor	1
TC Electronic audio scope	1

Audio, Comms, Computing & Network

Integrated production systems configured for a complete mobile workflow.

AUDIO AND COMMUNICATIONS

Allen & Heath Avantis with Dante/MADI	1
Allen & Heath Dante stage box	1
Green-GO 32-channel panels	4
Green-GO wired beltacks	8
Green-GO Dante interfaces	2
Shotgun audio microphones	2
RCF studio monitors	2
Mac mini M1 - audio	1

COMPUTING AND RECORDING

Custom graphics/vMix/replay PCs	2
Mac mini M1 - graphics	1
Mac mini M1 - ENG	1
Atomos Shogun Studio 2	1
Blackmagic UltraStudio HD	1
Teradek Slice encoder	1

NETWORK AND TRANSMISSION

Peplink Balance 310X router	1
EdgeSwitch 16XG	1
EdgeSwitch 48P-500W	3
Cisco SG300 Dante switches	3
UniFi nanoHD access points	2
PoE+ injectors	4

Trailer, Fiber & Field Support

Power, environmental control, cabling and support equipment included with Eclipse.

TRAILER AND POWER

24-foot production trailer	1
Upgraded 5,200 lb axles / newer tires	1
Manual leveling jacks	1
Dometic FreshJet 13.5K A/C	2
Dometic FreshJet 15K A/C	1
UPS systems for critical gear	4
50A power cable	1
Power-distribution kit	1
Leveling blocks and wheel chocks	1

FIBER AND FIELD PACKAGES

16-channel bidirectional 3G-SDI fiber mux	1
Dante/analog/SDI/network stage rack	1
800-foot six-strand tactical fiber	1
300-foot SMPTE camera cables	2
500-foot SMPTE camera cables	2
SDI field kit	1
XLR field kit	1
Ethernet field kit	1
Converter/adaptor workbox	1
Patch cables, barrels and fiber jumpers	Pkg
Large camera chip chart	1
Small HD test monitors	2
First-aid kit	1

TRIPODS AND SUPPORT

Vinten Vision 22 tripod	1
Vinten Vision 11 tripod	1
Manfrotto 501HDV tripod	1
Manfrotto 503HDV tripod	1
Camera accessory hard case	1
Field monitor hard cases	2

Compact Footprint. Full Control Room.

Updated working-condition photography from the integrated production environment.



Exterior, Cases, Fiber & Camera Support

Recent working-condition photography of the trailer and included field-support inventory.



TURNKEY & ROAD-READY

24' MOBILE PRODUCTION UNIT

- Upgraded 5,200 lb axles and newer tires
- Three rooftop air-conditioning systems
- 50A shore power with distributed UPS protection
- Integrated production, audio, replay and engineering
- Available for rental or purchase



CAMERA KIT



FIELD CASES



VINTEN SUPPORT



SDI CABLING



FIBER & POWER

AVAILABLE FOR RENTAL OR ACQUISITION

LET'S TALK ABOUT ECLIPSE

Whether you need a turnkey mobile unit for an upcoming production or are evaluating Eclipse for purchase, Showtech can provide current availability, package details and deployment planning.

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Equipment, quantities and availability are subject to verification and the final rental or purchase agreement.