



ARENA TELEVISION

General Contact

Arena Television Ltd.
 Hangars 4, 5 & 7
 Redhill Aerodrome, Kings Mill Lane
 Redhill, Surrey
 RH1 5JY
 United Kingdom

Peter Love
 Tel: +44 1737 822011
 peter.love@arena-tv.com
 www.arena-tv.com/

LIVE
 PORTRAIT
 Arena OBX
 OB Van



In an industry dominated by multinationals, Arena is proud to be British and pay all taxes in the UK.

Arena holds contracts with the nation's major broadcasters to provide coverage of events, music, large studio shows and sport. Arena is a Telegraph 1000 business that has remained in continuous family ownership for approaching 30 years. Arena continues to pioneer by introducing the world's first IP-based UHD High Dynamic Range OB fleet. The new triple-expands (OBX, Y & Z) all feature UHD/HD/SD multicast technology. They are based around a powerful IP core developed in association with Grass Valley and Cisco. This approach is much more flexible than traditional baseband.

Production Area



Sound Area



SloMo Desk

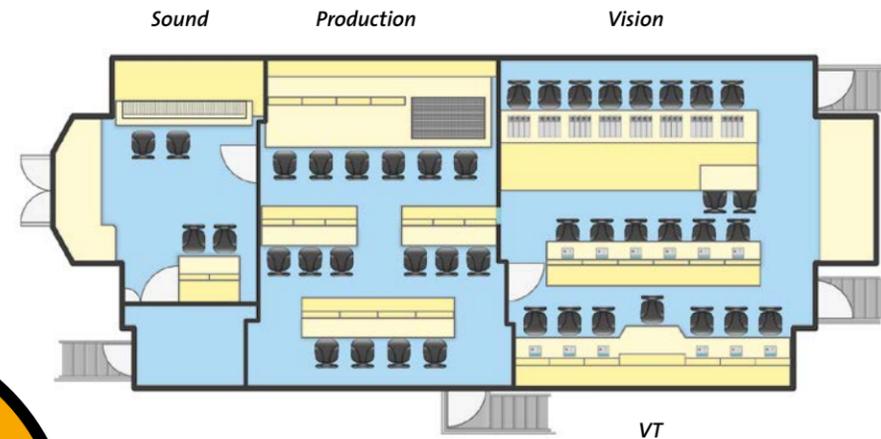


Camera Shading Area



Grass Valley Vision Mixer

Cisco Fibre Patch



TECHNICAL SYNOPSIS

Arena OBX

OB Van

Double Expando:

15,7m Long, 4,0m High, 2,55m Wide – Expands to 6,2m

Shifts between 4K/UHD+HDR |

Super SloMo | 1080p | 1080i | 720p

Video

32 Grass Valley LDX-86N UHD (Fiber)

32 Grass Valley XCUs (Fiber)

8 Super SloMo Cameras Grass Valley/Sony/I-MOVIX

Lenses from Canon, UJ86, UJ90, CJ12, CJ20

Heavy Duty Tripods from Vinten

Vision Mixer:

Grass Valley HD/4K Kayenne K-Frame Switcher

14 Panasonic Monitors with Multi-Viewer

(200+ images can be displayed)

Grass Valley Kaleido KMX Multiviewer/Splitter

Character Generator: As requested by Clients

Monitors in Camera Shading Area from Sony & Canon

12 EVS XT3/XT4K 12 Ch Full Editing Replay Servers

UHD SloMo/ SuperSloMo Devices from EVS and

Grass Valley (up to 12)

Digital Glue from Axon

No Video Matrix: This is an IP truck so all data flows

everywhere without a standard matrix using

GV Nodes and a Cisco datacentre switch

Audio

Audio Mixer: Calrec Apollo (64 fader)

No Audio Router: This is an IP truck so all data flows everywhere without a standard matrix using GV Nodes and a Cisco datacentre switch

Audio Monitoring: Genelec, 5.1 Surround Sound with Dolby Atmos

Audio Measurement: Dolby/Calrec

Audio Multi-track: As requested by Clients

Microphones from Sennheiser, beyerdynamic

Intercom/Communication

Matrix: Riedel Artist

Special Features

This OB unit is a world first being the first large-scale implementation of a native IP work flow capable of multi-casting in UHD HDR, UHD SDR, HD and SD. Data is fully IP from the camera CCU through the vision mixer to transmission. This makes the truck considerable more capable than the existing baseband approach that uses 4 copper cables for each path.

IP maintains and enhances the high production standards of an HD workflow

No bottlenecks associated with legacy baseband Quad-HD designs

Supports both GV's (and Sony's) native UHD cameras

A base-band Quad-HD layer for legacy and back-up purposes

Scalable on-site and off-site remote production as standard

Multi-format HDR as standard; upgradeable to 4K high frame rates and 8K

New outboard fibre-nod technology reduces cable rigging time and costs

Highly scalable allowing requirements to change on the day

Cisco 10GbE and 40GbE switch; SMPTE 2022-6 with TR03/04 support

UHD 2Si for significant benefits in resilience and monitoring

Coach Builder

ASGB

System Integrator

Videlio