4K UHD PRODUCTION SOLUTIONS
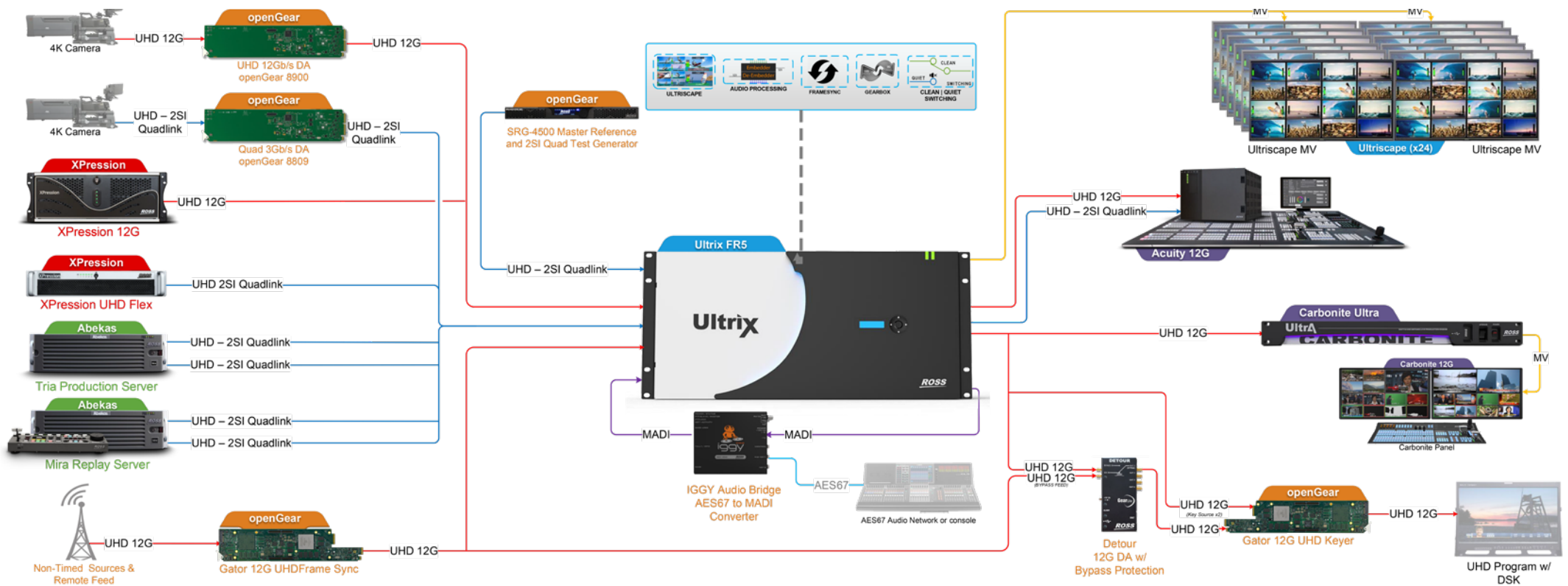
4K UHD is rapidly becoming an in-demand production format as the worlds television manufacturers cease production of High Definition displays in favor of 4K UHD displays with support for High Dynamic Range (HDR) and Wide Color Gamut (WCG) and as live web streaming and broadcasting begin to transition to 4K UHD. Ross has a growing 4K UHD portfolio that will have you producing impressive results for these new large format displays.

The next generation of Serial Digital Interconnect (SDI), 12G extends SDI into 4K UHD applications with the plug & play ease-of-use and reliability that we know and love from SDI. Ross has been a pioneer in 12G SDI which has now been broadly adopted with a large ecosystem of products and vendors supporting the standard.

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Diagram labels: 4K Camera · UHD 12G · openGear · UHD 12Gb/s DA openGear 8900 · UHD 12G · 4K Camera · UHD – 2SI Quadlink · openGear · Quad 3Gb/s DA openGear 8809 · UHD – 2SI Quadlink · XPression 12G · UHD 12G · XPression UHD Flex · UHD 2SI Quadlink · Tria Production Server · UHD – 2SI Quadlink · Mira Replay Server · UHD – 2SI Quadlink · Non-Timed Sources & Remote Feed · UHD 12G · openGear · Gator 12G UHDFrame Sync · openGear · SRG-4500 Master Reference and 2SI Quad Test Generator · UHD – 2SI Quadlink · ULTRISCAPE · AUDIO PROCESSING · FRAMESYNC · GEARBOX · CLEAN | QUIET SWITCHING · Ultrix FR5 · Ultrix · MADI · IGGY Audio Bridge AES67 to MADI Converter · AES67 · AES67 Audio Network or console · Ultriscape MV · Ultriscape (x24) · Ultriscape MV · UHD 12G · UHD – 2SI Quadlink · Acuity 12G · UHD 12G · Carbonite Ultra · Carbonite 12G · MV · Carbonite Panel · Detour 12G DA w/ Bypass Protection · Gator 12G UHD Keyer · UHD 12G · UHD Program w/ DSK

XPRESSION

12G 4K UHD Graphics System
· Single Link UHD over 12Gb/s SDI
· 12G SDI Key/Fill output
· 12G SDI inputs x 2 | 3G outputs x 2
· HDR & WCG support

4K UHD Graphics System
· UHD quadlink 2SI or SQD - 1 output
· 4 SDI Key/Fill pair outputs

TRIA | MIRA

Tria Production Server
· 4 or 8 channel HD play or record
· Up to 2 UHD quadlink 2SI outputs

Mira Replay Server
· 4 or 8 channel HD play or record
· Up to 2 UHD quadlink 2SI outputs

ULTRIX

16x - 144x UHD Routing Platform
· 12Gb/s video routing
· Advanced audio embedding/
  de-embedding and processing
· Video clean/quiet switching
· 24 MultiViewers
· UHD gearboxing

ACUITY | CARBONITE

Acuity 12G Production Switcher
· 4ME|4Keyer UHD production switcher
· 30 12G or 2SI in, 15 12G or 2SI out
· HDR & WCG I/O conversion
· HD to UHD format conversion

Carbonite Ultra Production Switcher
· 1 ME UHD production switcher
· 18 in 12G or 2SI - 3 out 12G & 2-2SI
· HDR HLG-1200 conversion
· HD to UHD format conversion

OPENGEAR

8900 Series Distribution Amp
· UHD/12Gb/s or Quad 2SI SDI DA

Gator UHD Signal Proc
· 12Gb/s UHD Frame Synchronizer
· 12Gb/s UHD Keyer

SRG-4500
· Quad 2SI Sync Generator

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