

XFO

Uncompressed HD-SDI Router
over Fiber Optics

- XFO is an integrated system that provides uncompressed video transport and routing over fiber optic networks.
- As broadcasters are approaching towards IP infrastructure, XFO is the right solution in this process.

- XFO system is comprised of IPSDI, SDIIP and XFO subsystems.
- SDIIP and IPSDI function as encapsulator and de-encapsulator of uncompressed HD-SDI video over IP respectively whereas XFO does the 10Gbps switching.

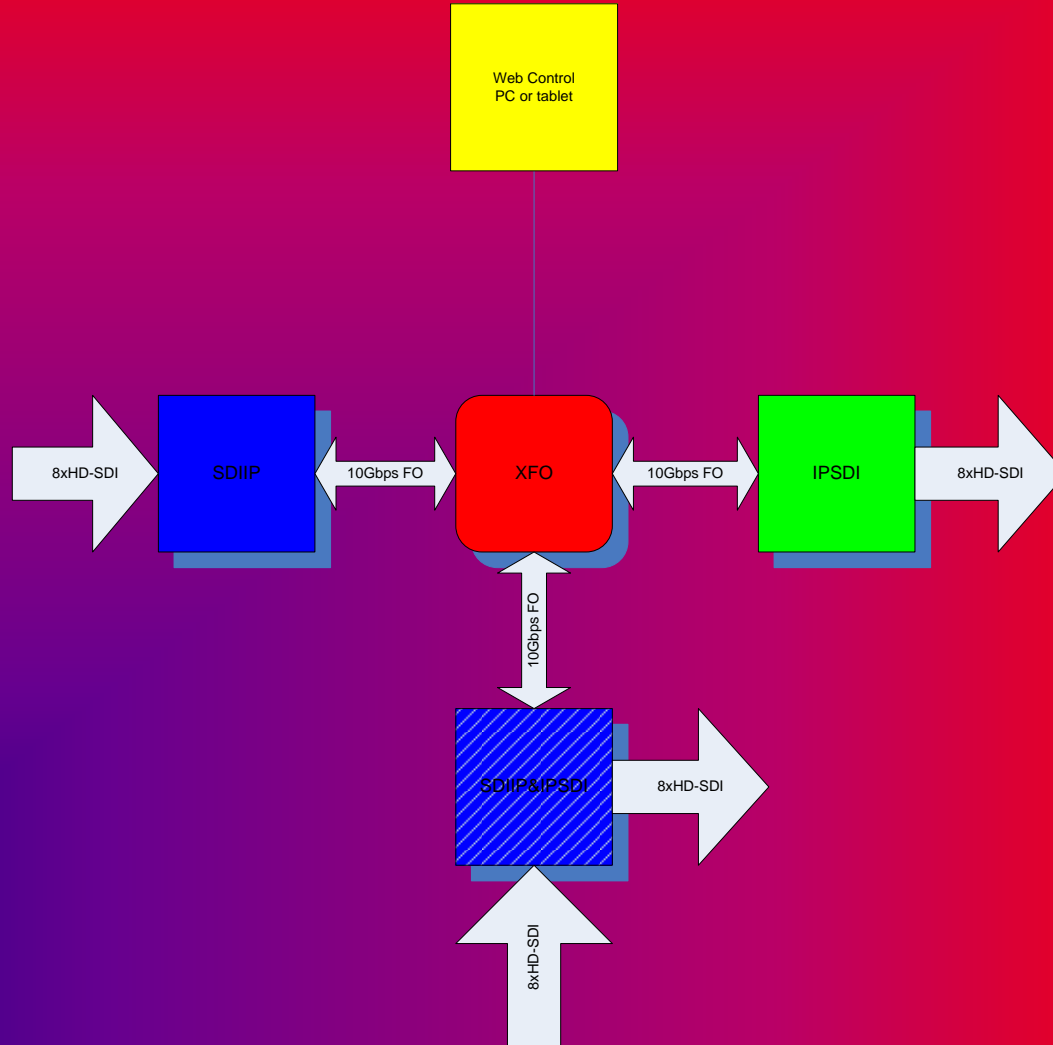
- XFO system has low latency and fast switching capability which is essential for a video applications.
- User interface is via web and is accessible from every PC or tablet supporting web browser.

- Capable of transporting 8 uncompressed bi-directional HD-SDI video on a single 10Gbps fiber optic link which means significant cable reduction compared to traditional SDI routing infrastructure.
- Fiber optic links can be up to 10km (LR) or 300m (SR) without any degradation on signal quality.
- The system is scalable up to 40x10Gbps links and 320x320 HD-SDI uncompressed video.

XFO

Uncompressed HD-SDI Router over FO

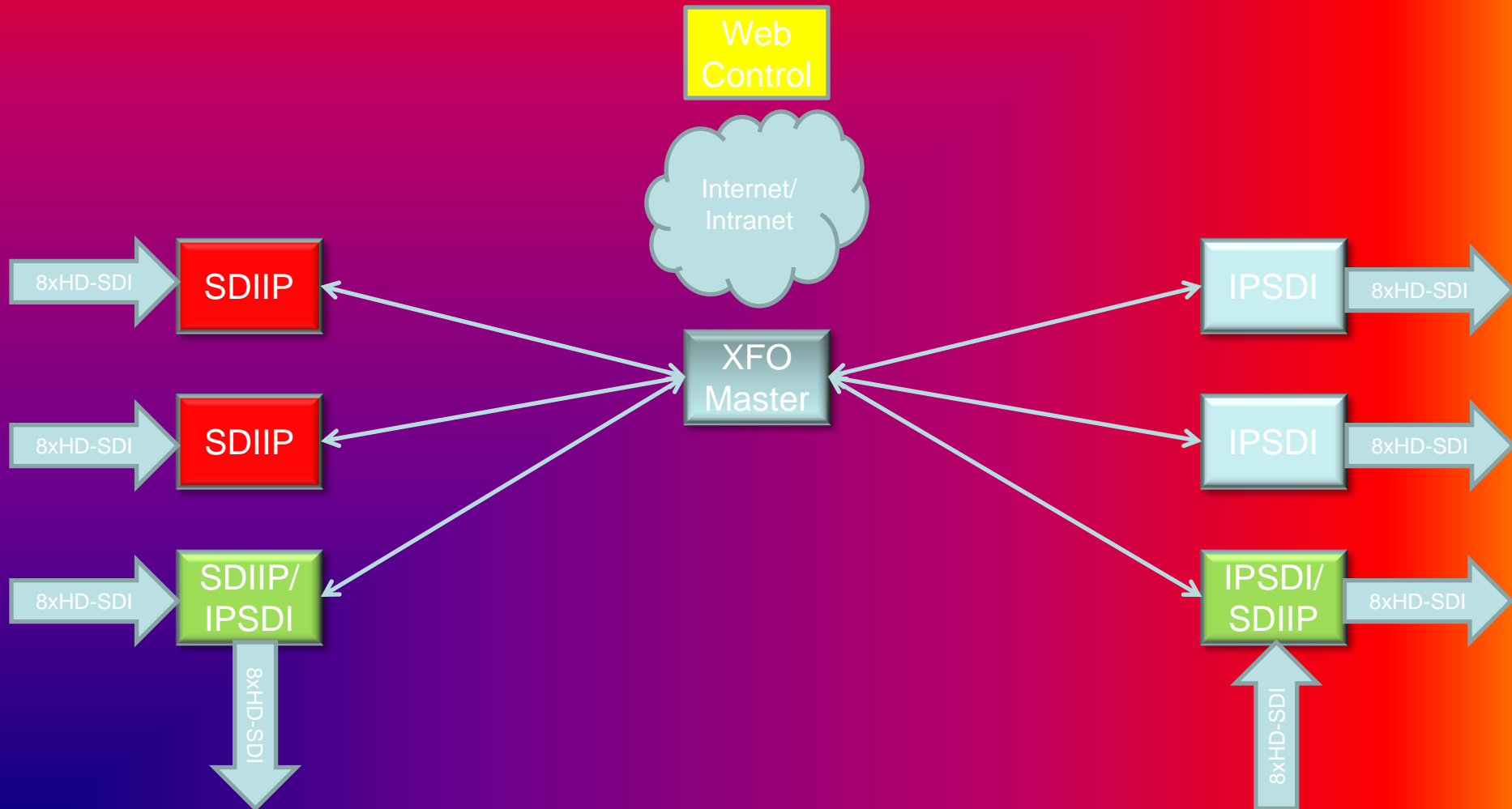
Block Diagram



XFO

Uncompressed HD-SDI Router over FO

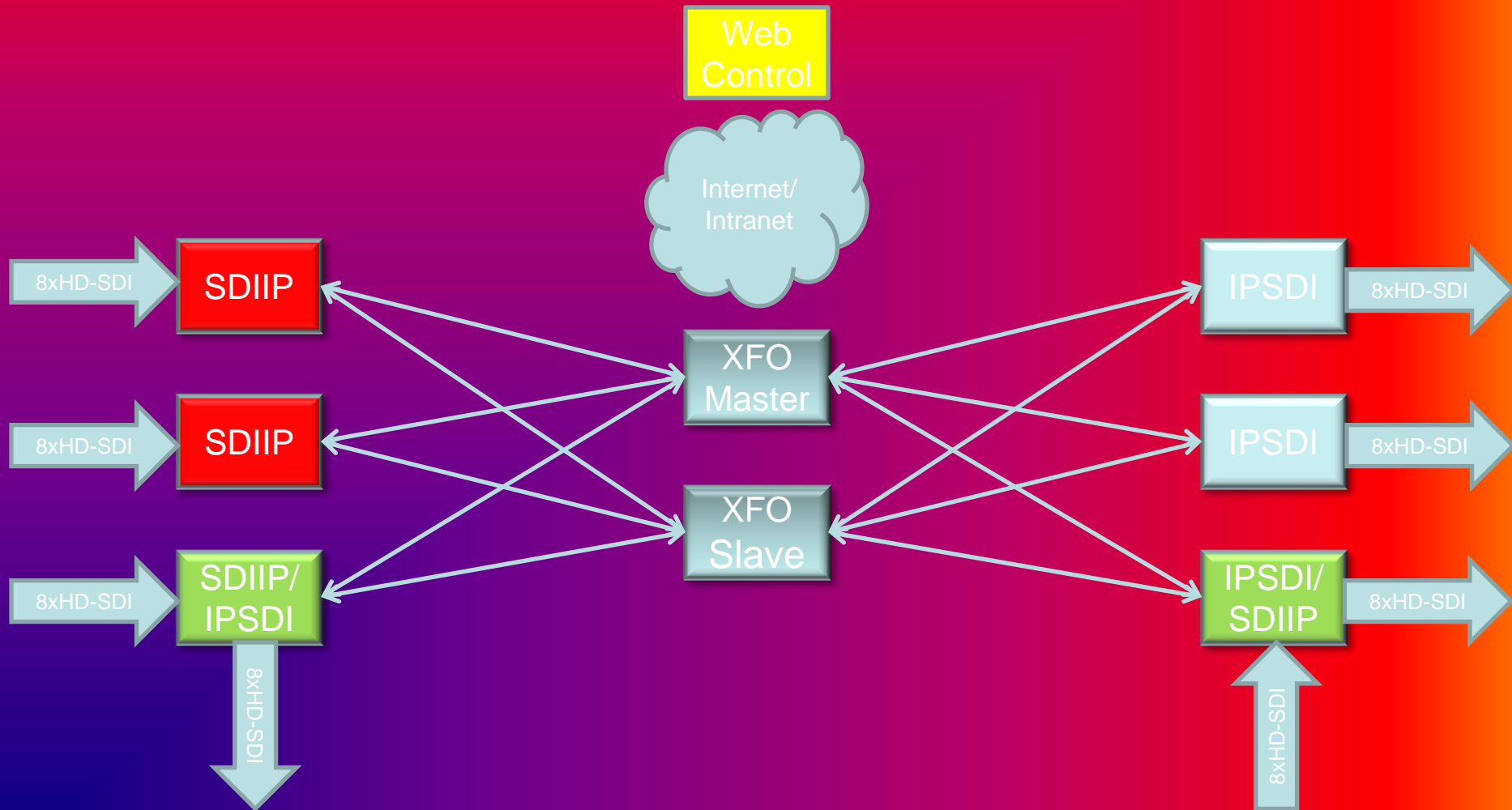
Block Diagram



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Block Diagram (Redundant System)



Advantages

- No signal distortion on HD-SDI
- Ability to transport video to longer distance
- Distributed routing (Multiple XFOs)
- Uncompressed video (No generation loss)
- Web control
- Cable reduction (8xHD-SDI per FO link)
- Use of standard 10Gbps ethernet port

SUBSYSTEM COMPONENTS:

- XFO-1082I: 1RU SDI to IP encapsulator with 8 input and 2x10GbE ports
- XFO-2162I: 2RU 16 input version of 1082I
- XFO-1082O: 1RU IP to SDI de-encapsulator with 8 output and 2x10GbE
- XFO-2162O: 2RU 16 output version of 1082O
- XFO-2162B: 8 input & 8 output bidirectional module
- XFO-312M(S): 3RU master switching unit with 12x10GbE ports

Sorular ve Demo