



FireBus, LLC

FireBus provides enabling technologies to Fire & Gas System users and system integrators that broaden the field device choices while reducing restrictions on how they can be integrated in a certified solution utilizing the ControlLogix® platform.

These exciting new products bridge the gap between stand-alone fire panels, detection products and the world's most popular programmable automation controller line in a way that is friendly to the systems developer while meeting the required regulatory approvals and satisfying the Authority Having Jurisdiction (AHJ)

**SAFE JUST GOT SAFER**

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**FireBus® - System Solution**  
 Video based Flame Detection and Video Sub-Systems  
 utilizing the FB-3010X VFD and 3010 VEF



## Design

FireBus® Video System solutions leverage local video encoding to provide the best video quality over long distances by converting from analog to digital transmission close to the cameras.

## Choice

Visual Flame Detectors (VFDs) approved to FM-3260 & EN54-10 provide analog signals to the FB-FirePAC® Fire Alarm Control Unit (FACU) and an independent video signal over fiber-optic cable to the video processing system.

# Video Flame Detection & Monitoring

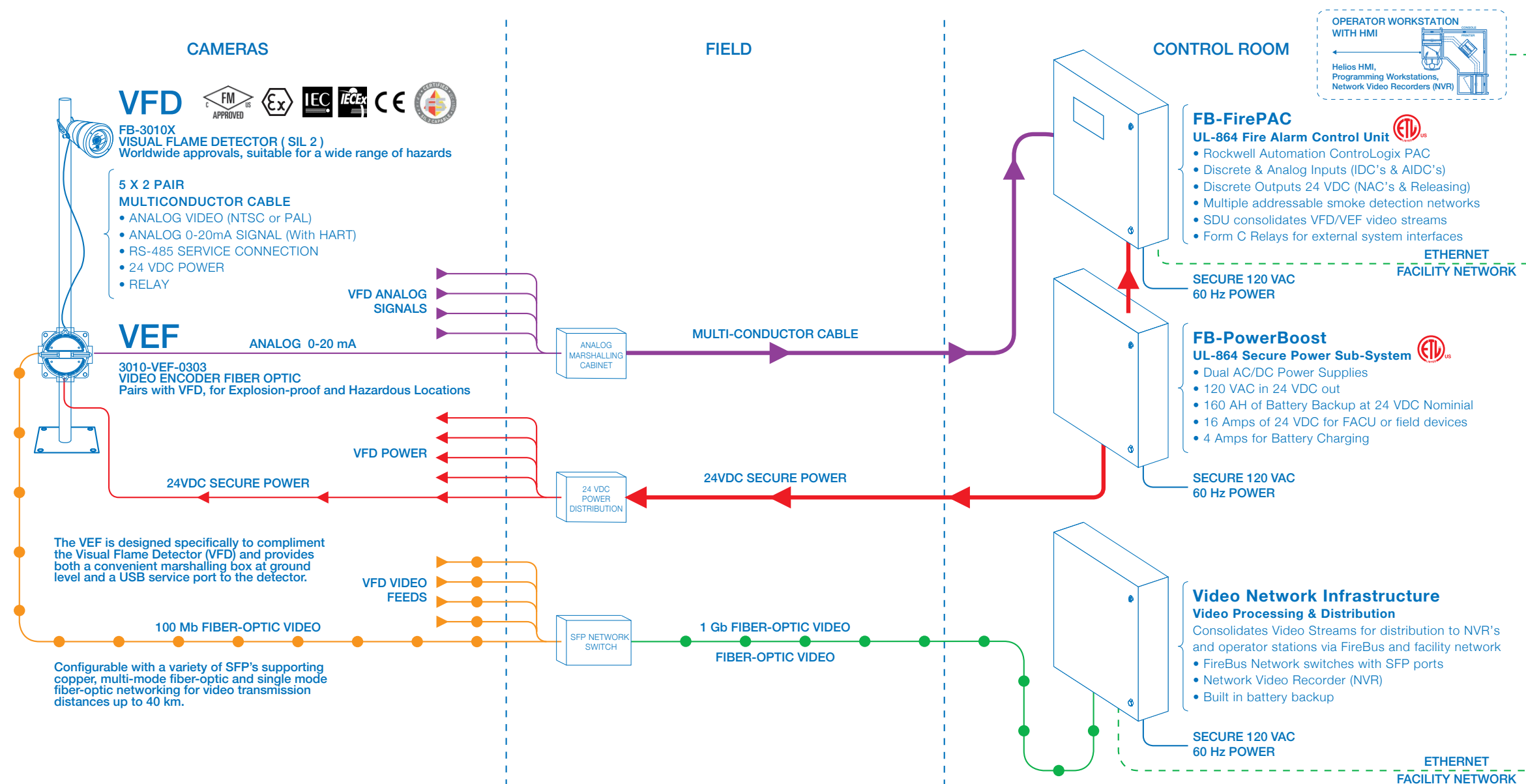
TRUSTED & APPROVED VISUAL FLAME DETECTION WITH CRYSTAL CLEAR LONG DISTANCE DIGITAL VIDEO TRANSMISSION VIA FIBER-OPTICS

## Scalable

FireBus® Video System solutions can support any configuration from just a few detector/camera installations up to hundreds. Video quality is maintained regardless of distance with digital encoding.

## Flexible

FB-PowerBoost® power sub-systems provide 24 VDC power to detectors in the field along with battery backup. SFP modules provide choices in fiber-optic types for video transmission distances up to 40 km.



### VFD Features

- NRTL certified compatible with FB-FirePAC® and FireBus Standard Display Unit.
- Visual hazard verification avoids sending personnel into hazards.
- Immunity to false alarms from hot work, hot CO2 emissions & reflected flare radiation.
- Eliminates sensitivity loss from modulated sunlight or black body heat.
- Global Approvals including flame detection to FM 3260 and EN54-10 and marine.

### VEF Features

- Provides power/signal/video termination enclosure with local status indication.
- Convenient access (e.g. typically ground level) for VFD configuration.
- SFP technology supports single-mode, multi-mode or copper networking to LAN or WAN.
- Dual stream video server; each stream configurable for frame rate and resolution.
- Eliminates non-value-add engineering and video multiplexer solutions.
- Eliminates signal attenuation and interference issues of analog signal transmission.