

De facto standard for 4K2K video I/F, “V-by-One®HS” owns DC balance decoder, so easily be installed into the application in optical interface.

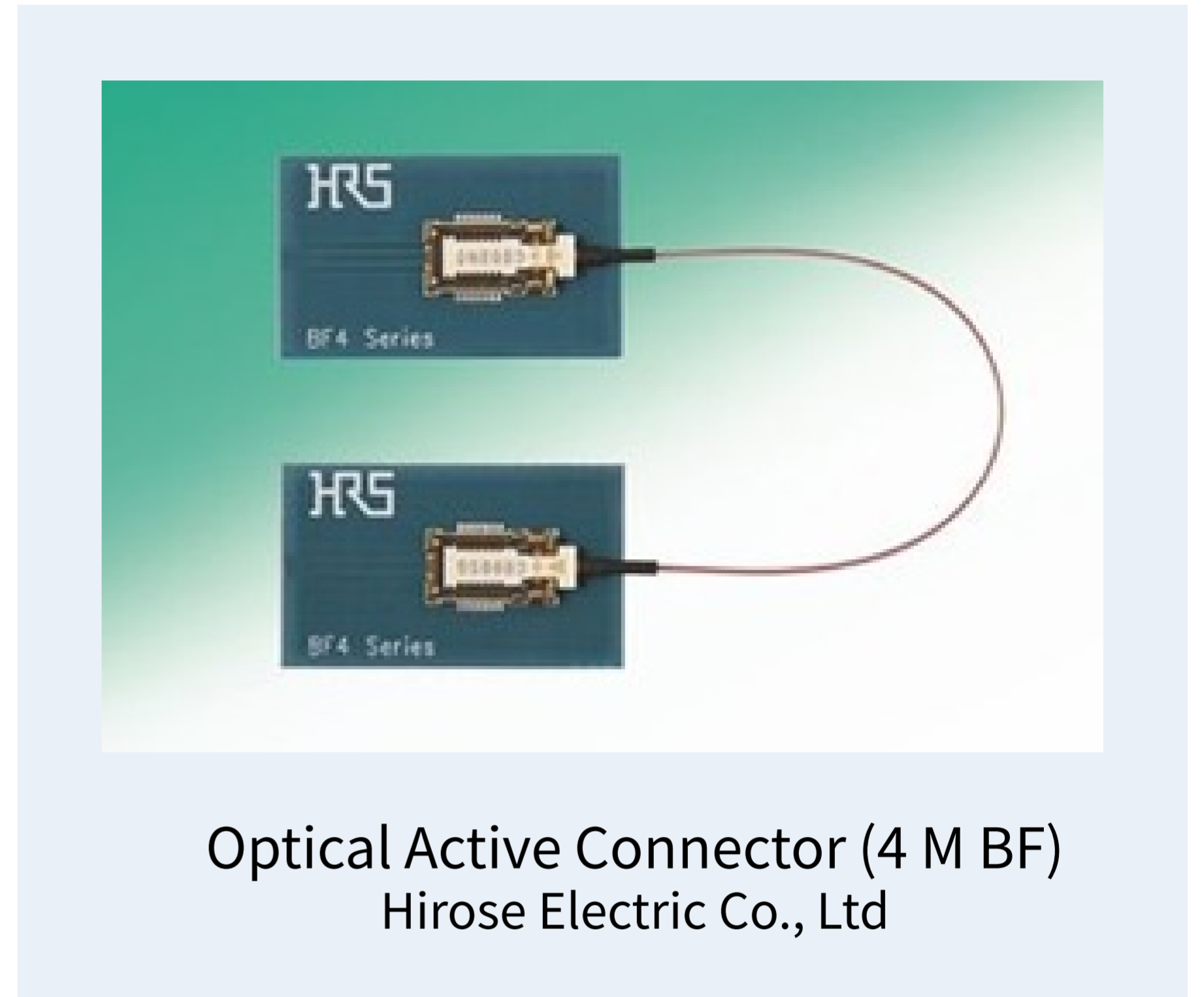
Optical Active Connector



Optimizing the camera internal connections

With V-by-One® Hs inside camera device, it is easily to use the different solutions out of metal wire or optical connection depended on product structure or installation environment prospected.

- Transmission speed : 0.05Gbps - 6.25Gbps
- Long distance, EMI reduction, insulating
- Low power consumption mode below 80mA
- Bend-tolerance fiber
- SLVS-200 interface



Optical Active Connector (4 M BF)
Hirose Electric Co., Ltd

Optical Active Cable



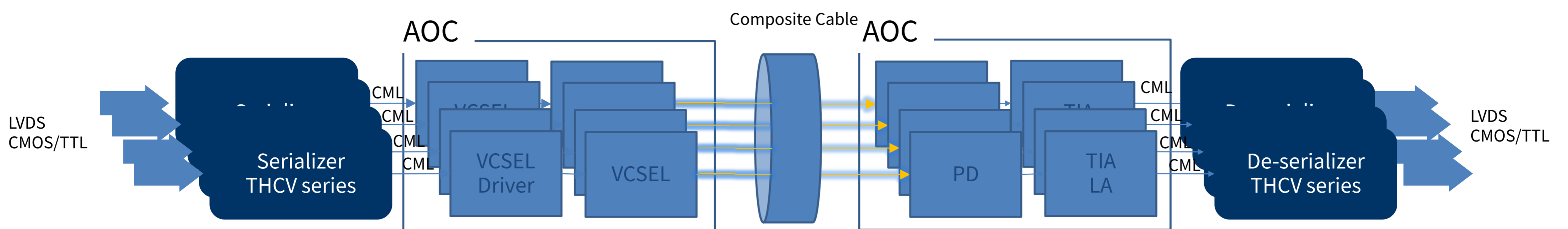
Low latency 4K2K CCTV system

THCV series can convert Y/C up to 16 bits into one pair CML signal at 1080p60fps and be directly connected with JAE's AOC. It is possible to transmit 4K2K30/60fps with uncompressed & less skew data in use of the combined cables of 2 or 4 optical fibers and several metal wires.

- Transmission speed : maximum 10Gbps×4ch
- Cable length : maximum 10m
- CML interface
- SerDes IC possible to be equipped(optional)



AOC (Active Optical Cable)
Japan Aviation Electronics Technology Co., Ltd



System Example : CCTV Optical Interface with 4K2K 60Hz Uncompressed & Less Skew