

Hirose Connectors for Head & Vision



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Camera Controls

Active Optical
small, low power



BF4M Series

Standard ZIF
Pitch=0.5mm



FH34 Series

Small, Robust
I/O for Ethernet

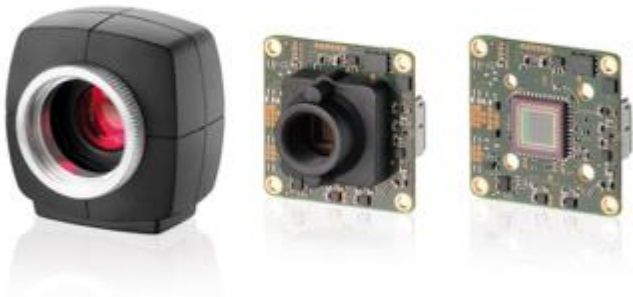


IX Industrial

Wide Variation
Height=1.5-4.0mm



DF40 Series



Micro Coaxial
Positive lock



DF81 Series

Head & Vision Connector Recommendations: Here's Why



BF4M

Supports high-speed optical transmission to eliminate EMI concerns while retaining an electrical mating interface. Its compact size, flexible cabling, and low power consumption make it suitable for dense systems where signal integrity and routing flexibility are required.

DF40

Board-to-board and FPC-to-board connector supporting USB4 Gen 2 (20 Gbps) with multiple stacking heights and pin count options. Designed to maintain reliable connections under vibration and mechanical tolerance variation in compact assemblies.

DF81

Micro-coaxial connector for high-speed, noise-sensitive signals such as video and sensor data. Shielded design with a 1.0 mm profile supports tight routing, low bending-radius cabling (36–46 AWG), mixed micro-coax and discrete wire use, and MIPI interfaces.

FH34

Low-profile FPC/FFC connector with top and bottom contacts, combining a 1.0 mm height with high retention force. Supports data transmission up to 10 Gbps in space-constrained and mechanically active designs.

ix Industrial™

IEC-standard interface for Ethernet and general I/O, supporting shielded high-speed transmission up to 10 Gbps. Compact and robust design with optional waterproof variants and field-terminable configurations for distributed system architectures.