CenturyArks Co., Ltd.

SilkyEvCam SYNC_IN/SYNC_OUT Signal Connection

– Appendix –

Dated: 2020/10/25

http://www.centuryarks.com/

[English]

Synchronizing *SilkyEvCam*: SYNC_IN/SYNC_OUT connection

[Parts Model]

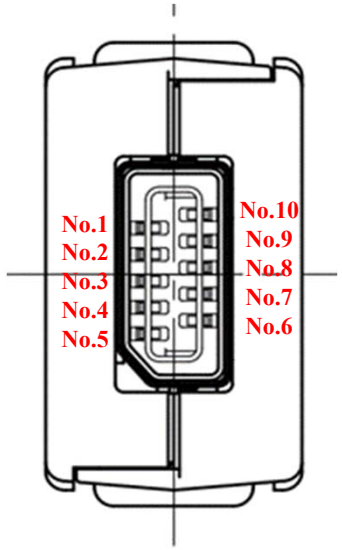
Receptacle (SilkyEvCam)	IX Series Connector (IX80G-B-10P : HIROSE)	
Plug (either for use)	IX30G-B-10S-CV(7.0) (HIROSE)	IX31G-B-10S-CV(7.0) (HIROSE)
Cable (UTP Cable*)	Cable diameter Φ6.3~7.2mm AWG#26～28, Core cable diameter Ø0.95～1.05	Cable diameter Φ6.3~7.2mm AWG#24～25, Core cable diameter Ø1.1～1.25

*Commercially available UTP(Unshielded Twisted Pair) cables are without standard(RJ-45) connectors.
Synchronous signal connection uses only 4-core wires of 8-core. You can connect 5-8-core to a free terminal.

[Cable]

Please make a cable referring to the following.

IX connecter Plug



Pin No.	Signal	Pin No.	Signal
1	TRIGGER_OUT/SYNC_OUT_P +3.3V	6	TRIG_IN_N -opto-coupled
2	SYNC_OUT_N	7	No use
3	SYNC_IN_P -opto-coupled	8	No use
4	SYNC_IN_N -opto-coupled	9	No use
5	TRIG_IN_P -opto-coupled	10	No use

[English]

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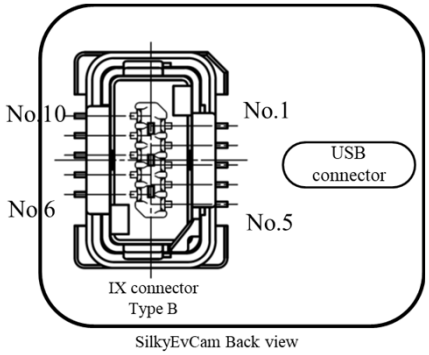

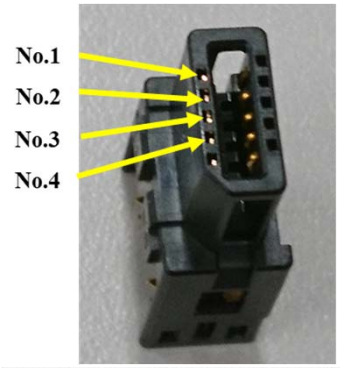

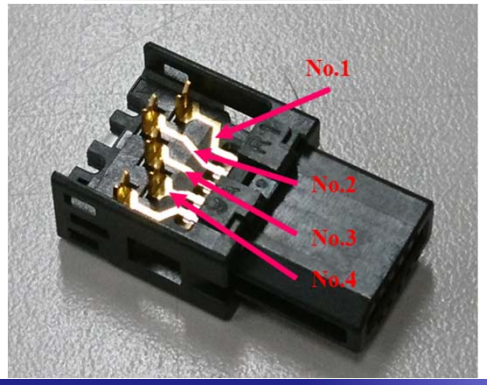

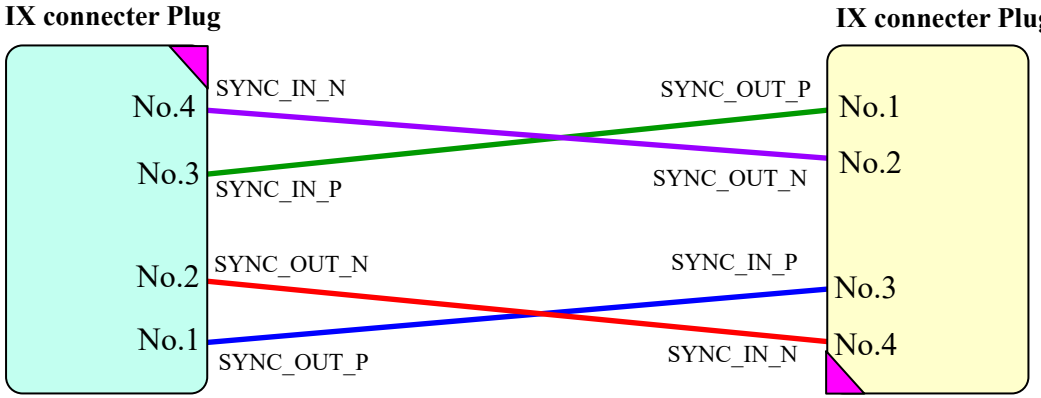

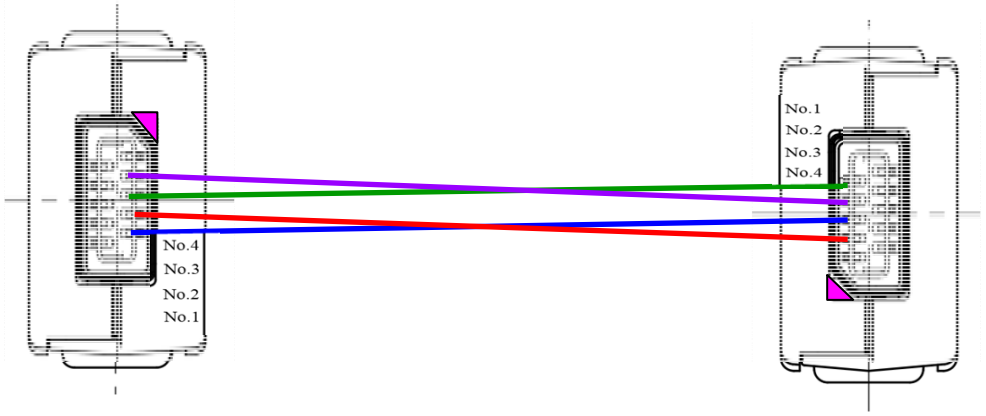

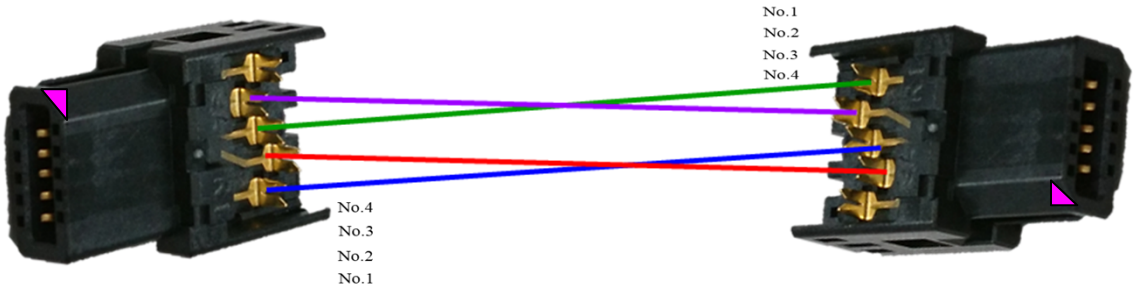

[English]

- Execute Sync sample

The following PROPHESEE web site has a description of Sync Sample using metavision_hal_sync.exe.
https://docs.prophesee.ai/stable/metavision_sdk/modules/metavision_hal/samples/hal_sync.html?highlight=sync