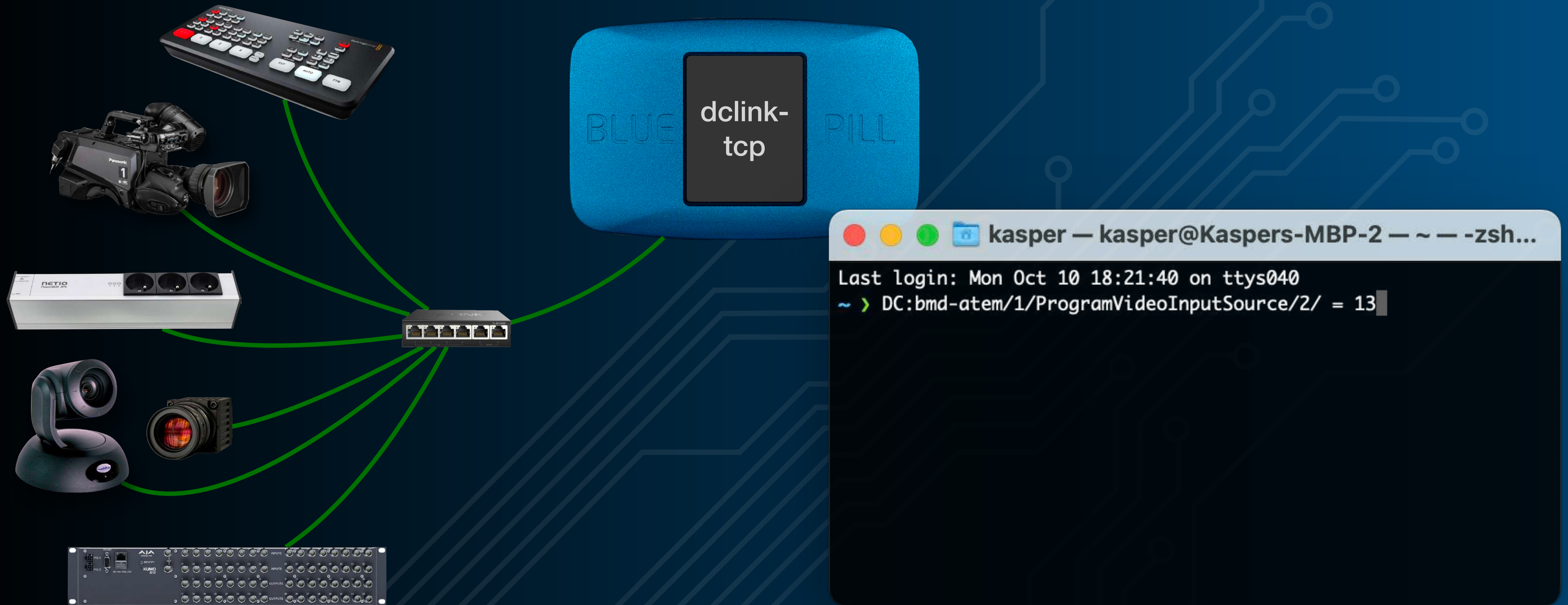


Device Core Link

SKAARHOJ



Perfect one-stop API for AV installations.
Integrate any device using simple, unified TCP commands.





Device Core Link (DC Link)

Benefits

- ★ Simple, unified text protocol for AV integration over TCP
- ★ No more proprietary protocols
- ★ Easily integrate ATEM switchers in AV environments
- ★ Deep integrations with lots of Broadcast and AV devices
- ★ Runs on any SKAARHOJ Blue Pill product
- ★ ASCII, JSON-RPC, Websocket, OSC, HTTP technologies

What to expect

The DC Link application takes the complexity of integration out of your life. Since SKAARHOJ already spend thousands of engineering hours on integrating the individual protocols of AV- and broadcast devices such as routers, switchers, cameras etc. we can simply provide access to all that through a unified text-based TCP interface - on a single TCP connection even!



Unified, simple TCP Protocol provided by Blue Pill

```
kasper — kasper@Kaspers-MBP-2 — ~ — -zsh...
Last login: Mon Oct 10 18:21:40 on ttys040
~ > DC:bmd-atem/1/ProgramVideoInputSource/2/ = 13
```

Application examples

- **Control any device via TCP** - The same network connection and API structure is available for connection to any device you want to integrate in your AV installation.
- **Control ATEM switchers from Crestron/Extron/AMX etc** - The complex UDP based protocol of ATEM switchers is made available for AV installations via simple TCP text messages. Very popular use case.

Licensing

The Device Core Link application comes with a 10 minute trial mode for evaluation. For unlimited use, you must buy a license. Please inquire for license options.

Technical Note

The application *dclink-tcp* runs on a Blue Pill device. The devices that shall be translated to TCP shall also be installed and running as device cores. Device Core Link has a special mode to be compatible with "TCP Link for ATEM" which is another SKAARHOJ product.

The general API for any device core is slightly different but highly recommended since it will support any device, current and future parameters with a unified API. The format follows a URL-like structure (IO references format used in Reactor, an application on SKAARHOJ panels).

The API supports subscribing to changes in values so network traffic and complexity in integration remains low, but with very high quality.

JSON-RPC is available by means of Websocket, HTTP etc. OSC format also available.

Learn More



Demonstration video



Information

Model Support

- Any SKAARHOJ device core on Blue Pill is supported fully

Notes