Learned **pseudo-sensors**

PROBE

Sun-**BCNN**

DPC-Net

Convolution
PReLU
Dropout
cnn-layer

HydraNet

$\mathbf{q}_1$
$\mathbf{q}_2$
$\mathbf{q}_h$
Σ

$\underset{\longrightarrow}{\mathcal{F}}_0$

$\underset{\longrightarrow}{\mathcal{F}}_1$

Stereo image pairs

1. Pre processing

2. Data association

3. Motion estimation

$\mathbf{T}_{1,0}$