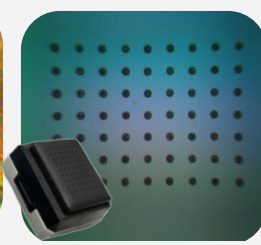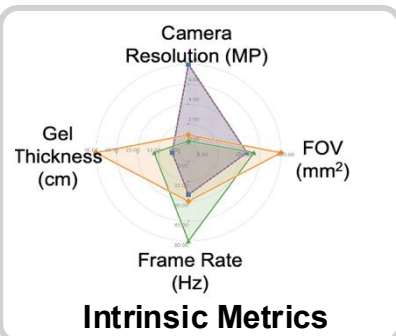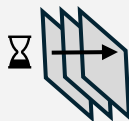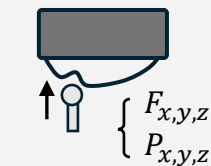ViTacTip · MagicTac · GelSight · GelSightWM

Camera Resolution

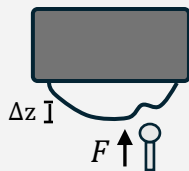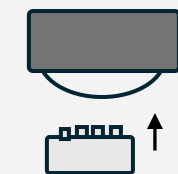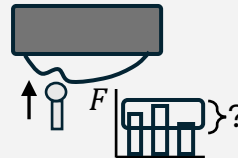Field of View

Gel Thickness

Frame Rate

Calibration Error
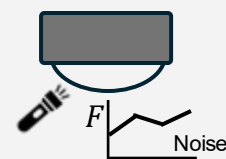$F_{x,y,z}$
$P_{x,y,z}$

Sensitivity
Δz
F

Spatial Resolution

Repeatability
F ?

Lighting Robustness
F Noise

Spatial Robustness
MAE
$-x$ $+x$

Intrinsic Metrics

Camera Resolution (MP)
FOV (mm²)
Frame Rate (Hz)
Gel Thickness (cm)

Standard Performance

Sensitivity (S) [mm/N]
Sensitivity Uniformity (U)
$SR(0.05)$
MAE F_{xy} (N)
MAE P_z (mm)
MAE F_z (N)
MAE P_{xy} (mm)

Robustness

Rep$_F$ [N]
Rep$_P$ [mm]
$R_{\text{spatial},P}$ [mm]
$R_{\text{lighting},F}$
$R_{\text{spatial},F}$ [N]
$R_{\text{lighting},P}$