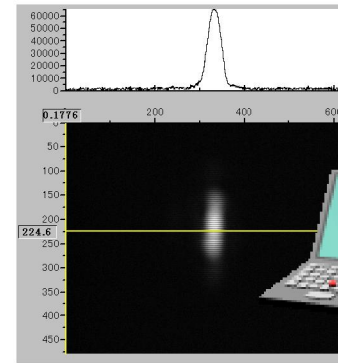


Single-shot autocorrelator

T. Yatsunami 2006.01.11
Osaka City University



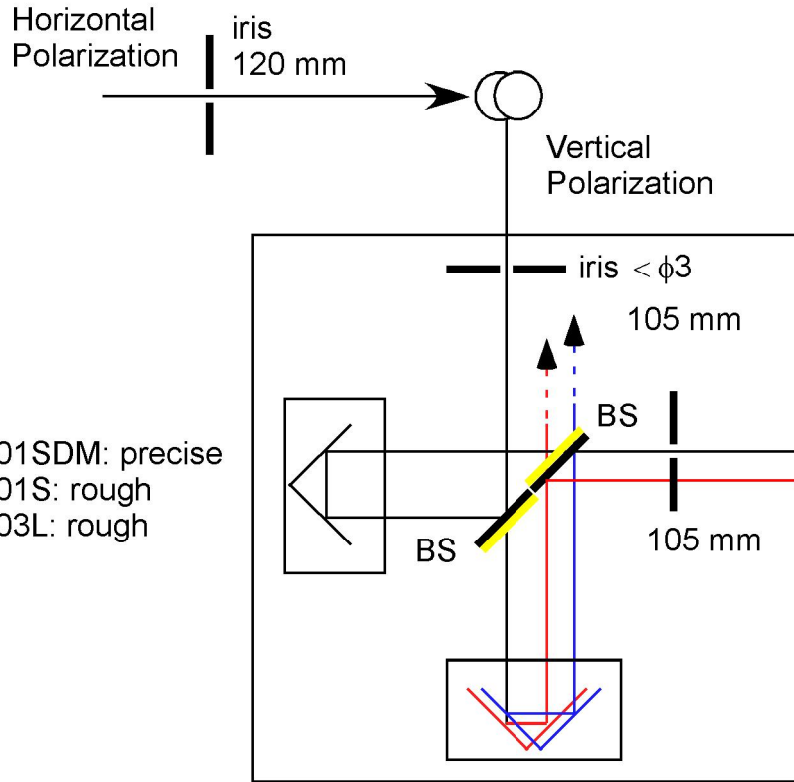
Captured data is analyzed by "Origin".

Video capture
Adaptor
640(H) X 480(V)
13.8 kYen

USB Video Out

5.6" LCD monitor
960(H) X 234(V)
22.8 kYen

Video In
BNC-RCA
adaptor
75ohm BNC cable



x: TAM-601SDM: precise
y: TAM-601S: rough
z: TAM-603L: rough

Retroreflector 1.5"
PLX protected gold
OW-15-1
beam deviation 1sec

ND filter
BBO
barrel with iris
extension barrel
band pass filter BG-12
BNC Out
1/3" CCD
811(H) X 508(V)
13.8 kYen



BBO
Castech
 $\theta 29.2, \phi 0$
 $5 \times 5 \times 0.03 \text{ mm}^3$
P coating

for switching collinear to non-collinear
x: TAM-601S: rough
y: TAM-601S: rough
z: TAM-603L: rough

for length-time conversion

Beam Splitter (BS)
Layertec
fused silica, $25\phi, 1\text{mmt}, \lambda/10$
 $R_s(45^\circ, 440-1050\text{nm}) 48 \pm 2\%$
 $R_s(45^\circ, 500-980\text{nm}) < 2\%$

