

Subaru	Keck	Gemini	TAO
IRCS	OSIRIS NIRC2 NIRSPEC	GNIRS NIFS	
COMICS		TEXES	MIMIZUKU
MOIRCS	MOSFIRE	NIRI GSAOI FLAMINGOS-2	SWIMS
FMOS			
HSC			
FOCAS	LRIS DEIMOS ESI	GMOS	
HDS	HIRES		
HiCIAO		GPI	

Subaru -IRCS	Keck			Gemini	
	OSIRIS	NIRC2	NIRSPEC	GNIRS	NIFS
Imaging 0.9-5.6 um FOV 21"+ 54" Pixscale 20mas+52mas	1.0-2.5um 20."4 20mas	0.9-5.3um 10"-40" 10-40mas	0.95-2.5um 46" 0."18	1.0-2.5um 24"x16" (20mas?)	
Low-R Spec. 0.9-2.5 um R=100-2000		LOWRES 1.0-2.2um R=2400-11000	Low-R Spec. 0.95-5.5um R~2000		
NA	IFU 1.0-2.4um R~3800 0."32x1."28 ~3."2x6."4	NA	NA	NA	IFU 0.9-2.5um R~5000 FOV 3"x3"
High-R Spec. 0.9-5.6 um R~20000	NA	MEDRES 1.0-2.2um R=4000-20000	High-R Spec. 0.95-5.5um R~25000	High-R spec. 0.85-6.0um R~5000-20000	NA

	Subaru-COMICS	Gemini-TEXAS	TAO-MIMIZUKU
wavelength	7.5-25um	5-25um	2-38um
Imaging FoV Pix scale	42" x 32" 0.13"/pix	No	2' x 2' (1' x 2' x 2 field) 0.11"/pix
Spectroscopy R	250,2500,8500	4000-100000	60-230

Subaru MOIRCS	Keck	Gemini-North	Gemini-South		TAO
	MOSFIRE	NIRI	GSAOI	FLAMINGOS-2	SWIMS
Imaging 0.9-2.5 um FOV 4' x 7' 0."117/pix	0.9-2.3um 6.'1 $\square$ 0."18/pix	1-5 um 2' $\square$ / 22" $\square$ 0."117pix /0."022pix	0.9-2.5um 1.'4 $\square$ 0."02pix	0.95-2.4um 6.'2 Φ / 2' Φ 0."18pix / 0.09pix	0.9-2.5um 9.'6 Φ 0."126/pix
Spectroscopy 0.9-2.5 um R=500-3000	0.9-2.5um R=3000-4000	1-5.45 um R=460-1650	NA	0.95-2.4um R=400-3000	0.9-2.5um R=500-1000
MOS FOV 6' Φ 15masks	6.'1x3' tunable	NA	NA	2' x 6.'1 9masks	9.'6 x 6' 24masks
IFU:planned	NA	NA	NA	NA	NA
NA	NA	NA	MCAO	MCAO	NA

Subaru -FOCAS	Keck			Gemini
	LRIS	DEIMOS	ESI	GMOS
Imaging 0.37-1.0 um FOV 6'Φ 0."104/pix	0.32-1.0um 6'x7.'8 0."135/pix	0.4-1.05um 16.'7 x5.'0 0."119/pix	0.39-1.1um 2'x8' 0."154/pix	0.36-0.94um 5.'5x5.'5 0."07-0."08/pix
Spectroscopy 0.37-1.0 um R=250-7000	0.32-1.0um R=300-5000	0.4-1.0um R=2400-11000	0.39-1.1um R=13000 R=1000-6000	0.36-0.94um R=600-4400
MOS FOV 6'Φ 10masks	6'x7.'8	16.'7 x5.'0 10masks	NA	5.'5x5.'5 18masks
Polarimetry	yes	NA	NA	NA
NA	NA	NA	NA	IFU 0.4-1.1um 5"x7" 250-1000elements

	Subaru -HDS	Keck-HIRES
wavelengths	0.3 – 1.0 microns	0.36 - 1.0 microns
R	~165 000	25,000 - 85,000
Slit width	0.2 - 4"	0.2-1."7
Slit length	2 - 60"	1-28"
Pix scale	0.138 "/pixel	
efficiency	0.03@3000A 0.13@6000A 0.04@8000A	0.15@3500A 0.19@6000A 0.13@8000A

	Subaru-HiCIAO	Gemini-GPI
Band	Y,J,H,K	Y,J,H,K1,K2
FoV	20" □	2."4 □
Pix scale	0.01 "/pixel	0.0012"/pix
Contrast	$10^{-5.5}$ @ 1"	10^{-6} @ 1"
Mode	DI, ADI, PDI, SDI	DI, ADI, PDI
IFU	No	Yes