

ISO 14096 Class DB and DS

Parameter	Class DB requirement	Class DS requirement	VIDAR NDTPRO (DB mode)	VIDAR NDTPRO (DS mode)
Density Range (OD)	0.5 to 4.0	0.5 to 4.5	0.5 to 4.0	0.5 to 4.5
Digital Resolution (bits)	≥ 10	≥ 12	16	16
Density Contrast sensitivity	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
Spatial Resolution (lp/mm)	≥ 5 (≤ 100 keV)	≥ 8.3 (> 100 KeV)	10	10
Pixel size (μm)	≤ 50 (≤ 100 keV)	≤ 60 (> 200 KeV)	44.6	44.6



VIDAR NDTPRO Density contrast sensitivity vs. OD.

DB mode

OD	Dcs
0.48	0.000
0.95	0.005
0.96	0.005
1.41	0.008
1.93	0.012
1.96	0.011
2.40	0.014
2.94	0.015
2.96	0.013
3.46	0.014
3.91	0.013
3.93	0.014
4.43	0.024

DS mode

OD	Dcs
3.06	0.010
3.57	0.013
4.04	0.008
4.07	0.009
4.54	0.012

