	AGFA CR30 +SE Suite	ALARA Crystal View CR	AII PRO-METRON + Radinfosystems PACS	Cuattro	Del Medical DelWorks Vet DR	FUJI XCD+ FCR View	IDEXX CR+ Idexx PACS	IDEXX DR+ Idexx PACS	ImaSight 16MP CCD	Konica Image Pilot	Medictech Crystal Rad	Medictech Crystal Rad 560	Quantum 9X + AMS Catella PACS	Sedecal 16x CCD + View Works (16MP CSI CCD)	SEDECAL 9X + View Works (9MP CSI CCD)	Sedecal Flat Panel (Canon)	SimonDR Advanced 18mp Digital Retrofit + WhiteCap PACS	Sound-Eklin CDX + Merge Fusion PACS (9MP CSI)	Sound-Eklin 1600/1600L	Sound-Eklin Rapid Start Component DR	Sound-Eklin TruDR DX 1700 + Fusion/Reveal	VETEL Empower 1717 + Metron PACS	Vetinfosystems Turnkey CR
Image Acquisition																							
2.5LPMM resolution?	✓	NOT TESTED*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dicom conformance statement?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DICOM c-store verified? (DICOM Send) ?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DICOM header verified (DVT analysis) ?	Yes	NO	Yes	TBD	✓	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	✓	Yes
Autoexposure index?	✓	✓	✓	✓	✓	✓	×	×	✓	✓	Yes	Yes	×	×	×	✓	×	×	×	✓	NO	✓	✓
Ability to change DICOM header?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	YES	YES	✓	✓	✓	✓	NO	NO	✓	✓	✓	✓	Yes
Audit trail for DICOM header alterations?	✓	✓	✓	✓	✓	✓	×	×	✓	✓	YES	YES	×	✓	✓	✓	NA	N/A	✓	✓	×	✓	✓
Is unit able to autoroute images?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Border Masks (Automatic or Manual)	✓ Auto	✓ Man	✓ Auto	✓ Auto	✓ MANUAL	×	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auto	✓ Auotomatic	✓ Man
Image area size?	CR	CR	CR	17 x 17 in	17 x 17 in	CR	CR	14 x 17 in	14 x 17	CR	17 x 17 in	14 x 17 in	17 x 17 in	17 x 17 in	17 x 17 in	14 x 17 in	14x17	14 x 17 in	16 x16 in	14 x 17 in	17 x 17in	17 x 17 in	CR
Total acquisition time?	33 sec	88sec	50.2sec	18.4sec	9.3 sec	49 sec	61 sec	12 sec	15 sec	54 sec	27 sec	23 sec	11.69 sec	11 sec	8 sec	5.9sec	12.1sec	11.9 sec	10.9 sec	5.8sec	12.8sec	18.1 sec	61 sec
How many mouse clicks to send to remote server (c-store)?	4 clicks	4 clicks	4 clicks	4 clicks	3 clicks	3 clicks	4 clicks	4 clicks	3 clicks	3-4 clicks	2-4 clicks	2-4 clicks	3 clicks	3 clicks	3 clicks	4 clicks	Variable	2-4 clicks	4 clicks	4 clicks	4 clicks	3 clicks	2-4 clicks
Type of Acquisiton System	CR	CR	CR	DR FP	DR FP	CR	CR	DR FP	DR CCD	CR	FPD	FPD	DR CCD	DR CCD	DR CCD	DR FP	DR CCD	CCD DR	DR FP	DR FP	DR FP	DR FP	CR
If CR - Open or Closed?	Closed	Closed	open	NA	NA	closed	Closed	NA	NA	Closed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Closed
Embedded Image Data Removal	✓	✓	✓	✓	Yes	Yes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Yes	✓	✓	✓	✓	Yes	✓
DVM to manually configure destinations	✓	✓	✓	✓	Yes	Yes with code	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Yes	✓	✓	✓	✓	Yes	✓
PACS																							
Ability to Autoroute Images	✓	NA***	✓	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DICOM conformance statement?	✓	NA	✓	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Audit trail for DICOM header alterations?	✓	NA	✓	N/A	✓	✓	×	×	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	×	✓	✓
Ability to store other modalities in PACS?	✓	NA	✓	N/A	×	✓	✓	✓	×	✓	✓	✓	✓	×	×	✓	✓	✓	✓	✓	✓	✓	✓
DICOM Query/Retrieve Enabled	✓	NA	✓	N/A	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Teleradiology																							
Error checking (including error indicator) during c-store?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
How many mouse clicks to send to remote server (c-store)?	4 clicks	4 clicks	4 clicks	4 clicks	3 clicks	3 clicks	4 clicks	4 clicks	3 clicks	3-4clicks	4 clicks	4 clicks	3 clicks	3 clicks	3 clicks	4 clicks	Variable	4 clicks	4 clicks	4 clicks	4 clicks	3 clicks	4 clicks
Distribution																							
Ability to burn CD or DVD?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CD/DVD compliant with DICOM exchangeable media profile?	✓	✓	✓	✓	✓	✓	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Viewer included with CD/DVD?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ability to export images as JPEG's?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modality Worklist																							
Modality Worklist Verified?	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	TO BE TESTED	TO BE TESTED	×	✓	✓	✓	✓	×	✓	✓	✓	✓	✓
Exposures used to obtain images (mAs/kVp)																							
Phantom	0.8/100	NOT TESTED*	10/100	1.7/100	0.8/100	1.3/100	5.0/100	5.0/100	16/100	12.5/100	5.0/100	10.0/100	2.4/100	1.25/100	1.02/100	3.3/100	5/100	10.0/100	3.3/100	2.5/100	2.0/100	2.5/100	5.0/100
Cat Whole body VD	3.3/80	3.2/62	10/65.0	5.0/75	6.7/53	2.5/70	10.0/72	10.0/74	8.0/75	2.5/62	5.0/60	5.0/60	7.9/79	3.2/80	2.0/72	3.3/80	5.0/95	10.0/100	3.3/100	2.5/100	3.2/100	2.5/79	5.0/76
Cat Whole body LAT	2.5/80	3.2/62	10/65.0	3.25/70	6.7/53	2.5/57	10.0/72	10.0/74	8.0/75	2.5/62	3.3/60	3.3/60	7.9/79	3.2/75	2.5/70	3.3/75	4.0/96	10.0/100	3.3/100	2.5/100	3.2/100	2.5/79	5.0/76
Cat Paw	2.5/80	2.0/42	6.4/45.0	3.25/70	6.7/55	3.3/64	10.0/68	10.0/68	5.0/75	2.0/50	3.3/45	3.3/45	3.9/56	3.2/65	2.5/65	1.8/70	3.2/92	10.0/100	3.3/100	2.5/100	3.2/100	2.5/79	5.0/44
Large Dog Abd Lat	12.5/80	5.0/74	20/85.0	7.5/85	10.0/68	10.0/86	15.0/96	15.0/100	16.0/95	12.5/85	5.0/79	5.0/79	18.1/73	8.0/80	6.4/80	6.7/80	5.0/100	10.0/100	3.3/100	2.5/100	3.2/100	3.3/85	15/88
Large Dog Abd VD	12.5/80	5.0/74	20/85.0	7.5/85	15.0/68	15/90	20.0/96	15.0/100	16.0/95	12.5/85	5.0/85	6.7/85	15.3/69	8.0/85	6.4/80	6.7/80	6.4/102	10.0/100	3.3/100	2.5/100	3.2/100	3.3/100	15/88
Large Dog Thorax Lat	5.0/90	5.0/74	20/85.0	5.0/100	10.0/68	10.0/80	10.0/94	10.0/100	5.0/115	8.0/82	5.0/79	5.0/79	14.7/89	3.2/105	2.0/1.05	2.5/105	6.4/94	10.0/100	3.3/100	2.5/100	3.2/100	3.3/98	2.5/115
Large Dog Thorax VD	10.0/90	5.0/74	20/85.0	5.0/100	10.0/68	10.0/90	10.0/102	10.0/100	6.4/115	12.5/85	5.0/83	5.0/83	21.8/97	3.2/106	2.8/103	3.3/105	6.4/112	10.0/100	3.3/100	2.5/100	3.2/100	3.3/85	6.7/121
Small Dog Whole Body Lat	2.5/79	5.0/62	10/65.0	2.5/65	6.7/58	3.3/70	10.0/72	10.0/74	10.0/80	2.6/66	3.3/59	3.3/59	9.9/82	3.2/105	3.2/75	5.0/75	5.0/92	10.0/100	3.3/100	2.5/100	3.2/100	2.5/79	5.0/76
Small Dog Whole Body VD	2.5/79	3.2/62	10/65.0	2.5/65	6.7/58	3.3/70	10/0/72	10.0/74	10.0/80	3.2/66	3.3/59	3.3/59	12.1/85	5.12/78	2.5/80	5.0/75	5.0/98	10.0/100	3.3/100	2.5/100	3.2/100	2.5/79	5.0/76
Large Dog Elbow	2.0/52	2.0/44	10/55.0	5.0/75	3.3/55	5.0/60	10.0/67	10.0/80	5.0/95	2.5/55	3.3/55	3.3/55	4.3/58	4.0/70	3.2/70	3.3/70	3.2/92	10.0/100	3.3/100	2.5/100	3.2/100	2.5/4	6.7/59
	Single Phase Testing			SINGLE PHASE TESTING	Single Phase Testing	Single Phase Testing	Single Phase Testing	Single Phase Testing			Single Phase Testing	Single Phase Testing				Single Phase Testing			Single Phase Testing			Single Phase Testing	SINGLE PHASE TESTING

* ALARA LPMM not tested because of SHOWDOWN Judge Testing error. This is NOT an issue with the ALARA product
*** NA in the PACS listing indicates that the vendor did not bring a PACS to the SHOWDOWN so PACS functionality was not tested.
SINGLE PHASE TESTING: Some units were tested using a single phase x-ray machine. To compare exposures between units tested on a single phase machine vs. the other systems which were obtained with a high frequency x-ray machine, simply multiply the kVp of the single phase system by 0.7 to get a comparible high frequency exposure. For more information on this topic please visit www.animalinsides.com/conversion.htm. If you do not check the website just undetstand the the vendors who used SINGLE PHASE TESTING will have significantly higher dosages than the other vendors. This is not an apples to apples comparison.