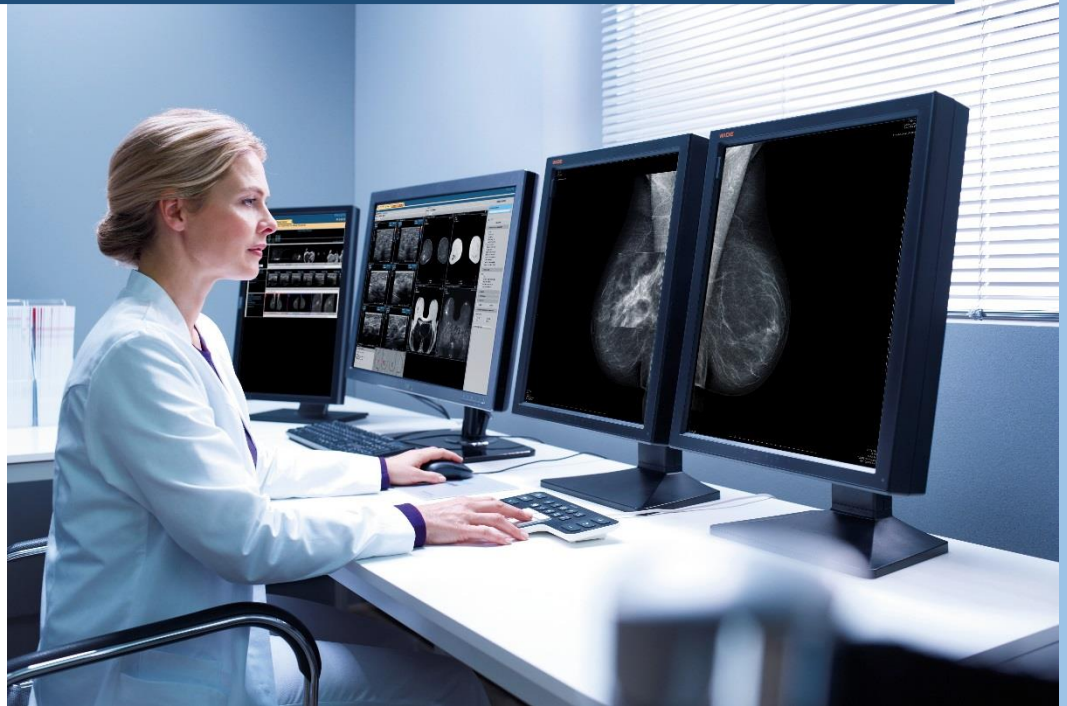


2017

Comparison: Philips ISP vs TeraRecon



PHILIPS

HI – Sales Enablement Center

6/29/2017





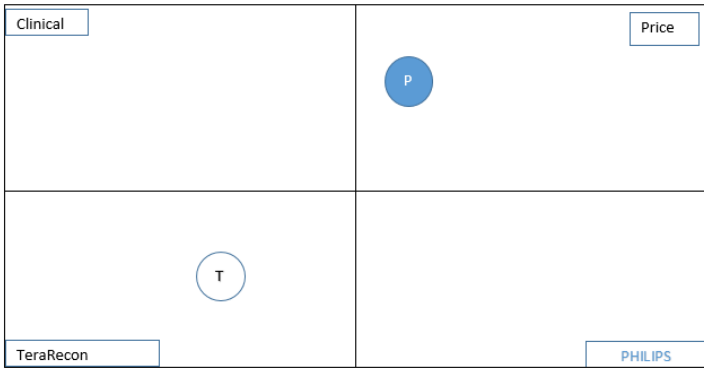
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1. Overview: An Imaging Solution

A. TeraRecon (Tera): Key Product Highlights:

1. TeraRecon **Concurrency Model** based on:
 - Based on CCU
 - Based on reading capacity or slice
 - Both
2. **Smart Positioning:** Tera's technology is based on Graphic Processing Unit (GPU)
 - Each graphic card varies from 4 GB to 8 GB
 - Every single GB is capable of processing 1,500 slices. E.g.: 4 GB = 6,000 slices
 - Hence Tera positions its solution as "Unlimited User" with 6000 slices or so on; hidden underneath – story around number of slices.
3. **Clinical strength**
 - CT Colonoscopy
 - Vessels Analysis.
4. **Core-technology (IT)** background: Enabling application workflow and below areas of strength:
 - HL7, pre-fetching etc.
 - Interface & multi-modality compatibility
5. **Additional feature** functionality
 - Zero Foot Print, 3D Printing & VM Compatibility:
 - Basic Research platform
6. **Customer support**
 - Primarily done by Channel Partners, and IT Support Desks (no on-site Clinical Specialists)
7. **Limited direct** Sales & Support
 - North America / BNLX / UKI / France / IBERIA / IIG / Nordics and DACH.

B. Snapshot: Quick Comparison

	
Modality OEM	Information Technology / Enterprise AV vendors
End-to-End Clinical Informatics Organization	Pure play Imaging Solution Provider
Strong Clinical depth	Clinical depth limited to imaging
3 rd party apps are successful in integration	Focused only on their solution component
Defined road map for Multimodality	Limited modality coverage/roadmap
Strong In-Person Customer Service	Greater focus on remote services
Primary Contact: Philips (e.g. Installation & upgrades done by us using proprietary tools)	Primary Contact: Resellers (e.g. Installation & upgrades done remotely by sharing the URL)
Turnkey solution (incl. hardware, in person site assessment, networking and system integration)	Standalone Imaging Solution
~7048 ICAP Specific customers Globally*	~ 5000 customers Global** Largest market North America Direct Markets (N.A / UKI / France / Italy / DACH and BENELUX) All other markets – resellers /distributors and partners
 <p>The matrix compares Philips and TeraRecon across Clinical and Price dimensions. Philips is marked with a 'T' in the Clinical dimension and a 'P' in the Price dimension. TeraRecon is marked with a 'P' in the Clinical dimension and a 'T' in the Price dimension.</p>	
IntelliSpace Portal 9 Brochure (URL Link)	TeraRecon Brochure(URL Link)

2. High level feature Comparison

Sl. No.	Philips Application Name	TeraRecon Application Names	Philips	TeraR.
1	CT Comp Cardiac Analysis	Time Volume Analysis(TVA)(CT) / Vessel Analysis	x	x
2	Multimodality AVA	Vessel Analysis	x	x
3	CT Calcium Scoring	Calcium Scoring	x	x
4	IE Enhancement	iGENTLE	x	x
5	Multi-modality viewer	iReview / iEMV (ZFP)	x	x
6	Multimodality AVA/CT AVA Stent Planning	Vessel Analysis	x	x
7	CT EP Planning	Time Volume Analysis(TVA)(CT)	x	x
8	Segmentation (CT/MR)	Segmentation Analysis and Tracking(SAT)	x	x
9	Workflow with Report	Free Basic functionality (iNtuition Viewer)	x	x
10	Multi-modality viewer & CT Viewer	iReview / iEMV (ZFP)	x	x
11	Subtraction	CT/CTA/MR Subtraction	x	x
12	Portal Routine MR	-	x	-
13	MR MobiView	-	x	-
14	Spectral Apps	-	x	-
15	MR Qflow	Flow Dynamic-MR	x	x
16	MR Cardiac	Time Volume Analysis(TVA)(MR)	x	x
17	Pre-Fetch	Free Basic Functionality	x	x
18	CT Lung Nodule Assessment	Spherefinder L	x	x
19	CT Dental Planning	Maxillo-Facial	x	x
20	CT Liver Analysis	Lobular Decomposition(LD)		x
21	CT Advanced Brain Perf	-	x	-
22	CT BP Time Insensitive Maps	TDA – Time Dependent Analysis	x	x
23	MR Neuro Perfusion	TDA – Time Dependent Analysis	x	x
24	MR Diffusion	TDA – Time Dependent Analysis	x	x
25	MR FiberTrak	Only BETA in 2016	x	x
26	MR SpectroView	-	x	-
27	MR iView Bold	-	x	-
28	MR Subtraction	MR Subtraction	x	x
29	CT COPD	LowAtt	x	x
30	Lung Nodule Assessment (V8)	CT Lung	x	x
31	Lung Nodule CAD (V8)	SphereFinder L	x	x
32	LNA LungRADS Categorize Report	-	x	-
33	LNA Risk Calc. (McWilliams)	-	x	-
34	Lung Nodule Assess. Pre-Fill	-	x	-

35	CT Pulmonary Artery Analyses	CT Lung	x	x
36	CT PAA CAD	-	x	-
37	CT Cardiac Viewer	CT Cardiac Viewer (Basic)	x	x
38	CT TAVI Planning	CT TAVI (Advanced)	x	x
39	CT Myocard Defect Assessment	-	x	-
40	CT-NM MPI Cardiac Fusion	-	x	-
41	CT Cardiac Plaque Assessment	CT CTA CCA	x	x
42	CT Dynamic Myocardial Perf	-	x	-
43	Cardiac MR Quantitative Map	-	x	-
44	MR Cardiac Temp. Enhancement	-	x	-
45	MR Cardiac Whole Heart	-	x	-
46	CT AVA Stent Planning	Vessel Analysis	x	x
47	MR MobiView	-	x	-
48	Q-App GI 3DQ	-	x	-
49	Enhanced MMTT	Finding Workflow (CT Only)	x	x
50	MM Tumor Tracking – qEASL	Finding Workflow (CT Only)	x	x
51	CT Body Perfusion	TDA – Time Dependent Analysis	x	
52	CT Virtual Colonoscopy	FlyThrough	x	x
53	CT Virtual Colon CAR	SphereFinder Colon	x	x
54	CT VC Elec. Cleansing	-	x	-
55	CT Liver Analysis	Lobular Decomposition(LD)	x	x
56	MR T1 Perfusion	TDA – Time Dependent Analysis	x	
57	MR Permeability	-	x	-
58	Q-App ROI	-	x	-
59	CT Dental Planning	Maxillo-Facial	x	x
60	MR Cartilage Assessment	-	x	-
61	CT Bone Mineral Analysis	-	x	-
62	CT Acute Multifunctional Rev.	-	x	-
63	MR Echo Accumulation	-	x	-
64	Q-App EQ	-	x	-
65	QApp Elastography Analysis	-	x	-
66	QApp Microvascular Imaging	-	x	-
67	QApp US Vascular Plaque Quant.	-	x	-
68	QApp Intima Media Thickness	-	x	-
69	NM Comprehensive Review	-	x	-
70	NM Enhanced DVD Viewer	-	x	-
71	NM Processing App Suite	-	x	-
72	NM Add'l JETPack App License	-	x	-
73	NM Astonish Recon Suite	-	x	-
74	NM ExSPECT II Vantage	-	x	-
75	Enhanced Zero-Click Performance	APS (Advance Preprocessing Server)	x	x

Business Model Comparison & Counter Strike:

TeraRecon solutions are much cheaper than us because of following key points.

1. Pure-play Medical Imaging Information Technology organization; Investments in R&D for modalities, Patents etc. are extremely less
2. Resellers play a very significant role. Majority of the business is via Resellers / Channels. Deployment, Installation, Upgrade, Support and Service is handled by the Channel. Hence a low cost footprint.
3. Modality agnostic approach: Helps garner better success rates, especially in non-Philips (modality) accounts.
4. Customer support: Primarily done by Channel Partners, and IT Support Desks (no Clinical Specialists)
5. No differentiation between Warranty & Service Contract

Countering TeraRecon:

1. Focus on end-to-end Patient Centric Solution across clinical departments – Aimed at a seamless flow of clinical and administrative data.
2. Strong proven presence in 'Leader' category of Healthcare Providers
3. Impact Healthcare Policy & Regulatory changes – since we actively participate and are a part of various agencies and decision making bodies.
4. Rich legacy of innovative solutions (high patents) and true-multi-modality support – Distinct First-Mover advantage
5. Multiple Levels of Service Options: Right from Telephone Support to 24x7, On-Site Resources
6. TeraRecon provides 1 major upgrades and 6 updates every year; leading to multiple issues like (system down-time, training, data-porting etc.). Philips typically has once-a-year major upgrade thus addressing above issues.

Disclaimer: * As per the data available for Install base.

** As per the data available from different sources so it may differ little bit.

*** As per the data available from different sources so it may differ little bit.

Note: In case of questions / comments or concerns please write at: hit.sec.icap@philips.com

